



QURANRESEARCH.ORG

User's Manual

Abstract

QuranResearch.ORG aims to provide the space and tools that ease, support and integrate the efforts of researchers in Quranic research. QuranResearch.ORG provides a public backend database server that contains an indexed representation of the Quran text in addition to a set of general-purpose tools and packages to perform counting, searching and analysis of the Quran text. QuranResearch.ORG invites Researchers to issue their queries against our public backend database server and to, then, retrieve/analyze/share their results through the system's frontend. Our website is designed to serve as a "wiki" style repository for all the results that researchers would obtain and reflect on from their efforts in Quranic research. We hope to provide a framework for Quranic Research in the fields of: Textual Analysis, Numeric Analysis, Linguistic Analysis and Natural Language Processing (NLP).

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1. Introduction

Welcome to *QuranResearch.ORG*, an *IQRA's* system for Quranic research, where you can browse the Quran text, run queries and publish results. QuranResearch.ORG expects two types of audience. QuranResearch.ORG hopes to inspire researchers with minimal software development skills to conduct research in the field of Quran textual, numerical and linguistic analysis. Then, researchers are expected to publically share their results seeking comments, feedback and suggestions. While researchers would constitute the first group of audience, the general public would constitute the second group of audience who would be interested in the messages, observations and miracles in the book of Allah, the Quran.

QuranResearch.ORG aims to provide the space and tools that ease, support and integrate the efforts of researchers in Quranic research. QuranResearch.ORG provides a public backend database server that contains an indexed representation of the Quran text in addition to a set of general-purpose tools and packages to perform counting, searching and analysis of the Quran text. QuranResearch.ORG invites Researchers to issue their queries against our public backend database server and to, then, retrieve/analyze/share their results through the system's frontend. Our website is designed to serve as a "wiki" style repository for all the results that researchers would obtain and reflect on from their efforts in Quranic research. We hope to provide a framework for Quranic Research in the fields of: Textual Analysis, Numeric Analysis, Linguistic Analysis and Natural Language Processing (NLP).

1.1 *QuranResearch.ORG Features*

QuranResearch.org is designed to achieve several goals. In this section, we summarize these goals. Please note that QuranResearch.org is an ongoing project and its development team is working to achieve and extend these goals over time. Community support is crucial and appreciated.

1.1.1 Accessibility

The system provides a database of the Quran text that is publicly available and open to all researchers. Researchers can issue their queries through the QuranResearch.ORG website and count on the backend server to run their “possibly” long-running queries, then, notify the users once the results are ready. No need for hardware or software installation on the researcher’s side.

1.1.2 Efficiency and performance

The system provides a highly indexed representation of the Quran text that speeds up the search and analysis of the Quran text. The system aims at scaling up to multiple concurrent users performing long-running queries on the Quran text. Elasticity in computation by hosting the system in the cloud enables adding servers to support query workloads at peak times.

1.1.3 Accuracy

The system aims to provide an accurate database for the whole Quran, with accurate information and statistics. The system aims to support true claims around “numeric miracles in Quran” with concrete numbers and, meanwhile, refute false claims that are bare of truth.

1.1.4 Application Programming Interfaces (APIs), tools and packages

The system provides an open platform for researchers to issue their queries against the backend database and retrieve results instantaneously or be notified once results are ready. The system is designed for

developers who are comfortable with their programming skills and who are willing to use these skills in Quranic research. The system provides an interface with settings and tuning knobs to easily search and retrieve similar/identical words/ayahs (المتشابهات) and in which Surahs they appear. The system provides layers of data analysis, data mining and data visualization on top of the Quran database.

1.1.5 Knowledge sharing and research network

QuranResearch.org is expected to be the “Wikipedia-like hub” that lists all the results from the collected efforts of the community of Quran researchers in one central place. QuranResearch.org is expected to build a network of researchers in the field, where they can communicate, provide feedback and collaborate in research.

The website does not only aim to be a hub for sharing results but also a hub for researchers to share pluggable tools, modules and packages that researchers can use and integrate in their research. Consequently, the “value of the whole system becomes greater than the sum of the parts”.

1.2 Organization of this Document

This document is organized as follows. Section 2 provides an overview of the system’s front end. The system’s front end is the website that QuranResearch.org community (whether researchers or general public) would use to interact with the system. Section 3 provides the documentation of the system’s underlying database. It provides the schema of tables along with sample data rows. It also provides the documentation of stored procedure libraries that researchers can use to perform operations on the Quran text. Section 4 provides instructions for researchers on how to conduct research using QuranResearch.org and how to contribute to the QuranResearch.org community through publishing their results.

2. The System's Front End

This section explains how to navigate through the QuranResearch.org website, describes the functionality provided by each page and how to find the information you are looking for.

2.1 Basic Functionalities and Website Navigation

Home: Home page, where the Quran text is displayed as an image and in textual format, along with navigation buttons to go through the pages of Quran. This page provides a portal for all functionalities provided by the website. This page also lists news/updates. Links to social media channels and contact information can also be found here.

Index By Surah: A list of the Surah numbers, names and page numbers:

- **Surah Number:** The Surahs in the Quran, listed from 1 to 114
- **Surah Name:** The surah names in Arabic in the same order of the Mushaf
- **Page Number:** The page number of the first page of the surah. Clicking on a page number flips the Quran pages to navigate to the first page of the surah.

Index By Surah		Index By Juz'
Surah Number	Surah Name	Page Number
1	الفَاتِحَة	1
2	البَقَرَة	2
3	آلِ عِمْرَان	50
4	النِّسَاء	77
5	المَائِدَة	106
6	الْأَنْعَام	128
7	الْأَنْعَام	151

Index By Juz': A list of the Juz' number and page numbers:

- *Juz' Number*: The Juz's in the Quran, listed from 1 to 30
- *Page Number*: The page number of the first page of the Juz'. Clicking on a page number flips the Quran pages to navigate to the first page of the Juz'.

Index By Surah	Index By Juz'
Juz' Number	Page Number
1	1
2	22
3	42
4	62
5	82
6	102
7	121
8	142

Quran Page:

At the center of the page, the Quran will be displayed with the current active page displayed. The user has the ability to navigate through Quran pages.

سُورَةُ الْفَاتِحَةِ

Surah#: 1 Juz'#: 1 Rub'#: 1

[<<<](#)
[<<](#)
[<](#)
1
[>](#)
[>>](#)
[>>>](#)



Quran Page Navigation:

- On top of the page the Surah name (of the first Ayah at the top of the page) is stated
- Under the surah name is the Surah number (between 1 and 14), Juz' number (between 1 and 30) and Rub' number (between 1 and 8)
- There are multiple buttons to navigate through the Quran pages:

<<< Increasing page number by 100

<< Increasing page number by 10

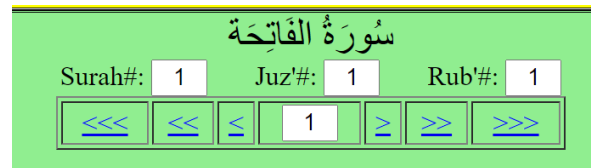
< Increasing page number by 1

>>> Decreasing page number by 100

>> Decreasing page number by 10

> Decreasing page number by 1

In between these navigation buttons, there is a textbox where a page number (between 1 and 604) can be typed in and the page will be flipped over to reach the desired page.

A screenshot of a Quran page navigation interface. At the top, the title 'سُورَةُ الْفَاتِحَةِ' (Surah Al-Fatiha) is displayed in Arabic. Below the title, there are three input fields: 'Surah#: 1', 'Juz'#: 1', and 'Rub'#: 1'. Below these fields is a row of seven navigation buttons: '<<<', '<<', '<', '1', '>', '>>', and '>>>'. The buttons are arranged in a single row, with the page number '1' in the center of the row.

Selected Ayah box:

If you click on the Ayah text, the Ayah serial number and Quran text corresponding to this Ayah appear in the box below the Quran page. Further counting and analysis will be directed to the selected Ayah or the word(s) selected in this Ayah. Clicking on Ayah is basically zooming into this Ayah so that future operations target the selected Ayah that appears in the text box.



Ayah Serial No: 1

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

****News and Updates****

News and Updates: This box provides information related to new system updates, new database versions, or any news related to QuranResearch.org,

Oct 27, 2020
QuranResearch.org
launched its YouTube
Channel

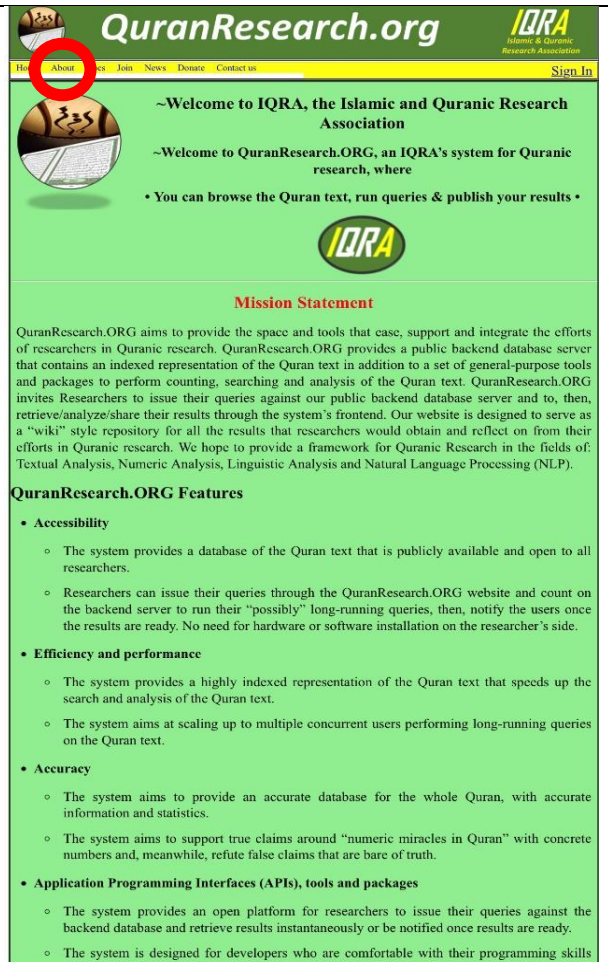
[more](#)

Follow Us: Click on the Icons to join our mailing list, to read our newsletters or to check out our YouTube channel.

Follow Us!



About: This page provides an introduction to the QuranResearch.org project and its mission statement. Check this page out to learn more about the goals and features of the project.



QuranResearch.org IQRA Islamic & Quranic Research Association

Home About **Docs** News Donate Contact us Sign In

~Welcome to IQRA, the Islamic and Quranic Research Association

~Welcome to QuranResearch.ORG, an IQRA's system for Quranic research, where

• You can browse the Quran text, run queries & publish your results •

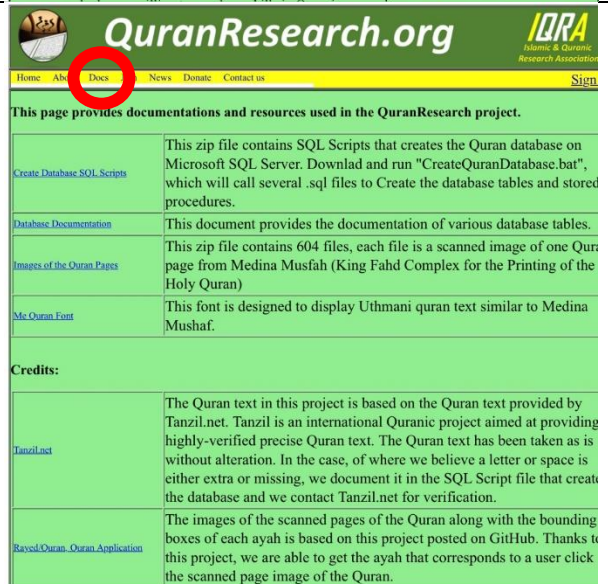
Mission Statement

QuranResearch.ORG aims to provide the space and tools that ease, support and integrate the efforts of researchers in Quranic research. QuranResearch.ORG provides a public backend database server that contains an indexed representation of the Quran text in addition to a set of general-purpose tools and packages to perform counting, searching and analysis of the Quran text. QuranResearch.ORG invites Researchers to issue their queries against our public backend database server and to, then, retrieve/analyze/share their results through the system's frontend. Our website is designed to serve as a "wiki" style repository for all the results that researchers would obtain and reflect on from their efforts in Quranic research. We hope to provide a framework for Quranic Research in the fields of: Textual Analysis, Numeric Analysis, Linguistic Analysis and Natural Language Processing (NLP).

QuranResearch.ORG Features

- **Accessibility**
 - The system provides a database of the Quran text that is publicly available and open to all researchers.
 - Researchers can issue their queries through the QuranResearch.ORG website and count on the backend server to run their "possibly" long-running queries, then, notify the users once the results are ready. No need for hardware or software installation on the researcher's side.
- **Efficiency and performance**
 - The system provides a highly indexed representation of the Quran text that speeds up the search and analysis of the Quran text.
 - The system aims at scaling up to multiple concurrent users performing long-running queries on the Quran text.
- **Accuracy**
 - The system aims to provide an accurate database for the whole Quran, with accurate information and statistics.
 - The system aims to support true claims around "numeric miracles in Quran" with concrete numbers and, meanwhile, refute false claims that are bare of truth.
- **Application Programming Interfaces (APIs), tools and packages**
 - The system provides an open platform for researchers to issue their queries against the backend database and retrieve results instantaneously or be notified once results are ready.
 - The system is designed for developers who are comfortable with their programming skills

Docs: This page contains different documents pertaining to various database tables, SQL scripts that create the Quran database, images of the Quran pages and the font that is designed to display the Quran. Check this page out if you want to learn more about the database tables.



QuranResearch.org IQRA Islamic & Quranic Research Association




Home Ab **Docs** News Donate Contact us Sign In

This page provides documentations and resources used in the QuranResearch project.

Create Database SQL Scripts	This zip file contains SQL Scripts that creates the Quran database on Microsoft SQL Server. Download and run "CreateQuranDatabase.bat", which will call several .sql files to Create the database tables and stored procedures.
Database Documentation	This document provides the documentation of various database tables.
Images of the Quran Pages	This zip file contains 604 files, each file is a scanned image of one Quran page from Medina Musfah (King Fahd Complex for the Printing of the Holy Quran)
Mc Quran Font	This font is designed to display Uthmani quran text similar to Medina Mushaf.

Credits:

Tanzil.net	The Quran text in this project is based on the Quran text provided by Tanzil.net. Tanzil is an international Quranic project aimed at providing highly-verified precise Quran text. The Quran text has been taken as is without alteration. In the case, of where we believe a letter or space is either extra or missing, we document it in the SQL Script file that create the database and we contact Tanzil.net for verification.
Rayed.Quran - Quran Application	The images of the scanned pages of the Quran along with the bounding boxes of each ayah is based on this project posted on GitHub. Thanks to this project, we are able to get the ayah that corresponds to a user click the scanned page image of the Quran.


<p>Join: Links to our mailing list and YouTube channel are listed here! Click on “Join Our Mailing list” and enter your email to join the group. Click on “YouTube channel” to watch educational videos related to Quran research. Do not forget to subscribe to the channel so you do not miss future video.</p>	 <p>The screenshot shows the QuranResearch.org homepage. The navigation bar includes links for Home, About, Join, News, Donate, and Contact us. The 'Join' link is circled in red. Below the navigation bar, there are two main sections: 'Want to stay up to date with QuranResearch.org? Please join our mailing list...' with a 'Join Our Mailing List' button, and 'Want to watch educational videos from QuranResearch.org? Please subscribe to our YouTube Channel...' with a YouTube logo and the text 'QuranResearch.org YouTube Channel'.</p>
<p>News: All of the news, announcements or updates will be listed under “News”.</p>	 <p>The screenshot shows the QuranResearch.org homepage. The navigation bar includes links for Home, About, Docs, News, Donate, and Contact us. The 'News' link is circled in red. Below the navigation bar, there is a news item dated 'Oct 27, 2020' titled 'QuranResearch.org launched its YouTube Channel'. The text of the news item states: 'QuranResearch.org started its YouTube Channel to share educational videos on the numerical and textual analysis of Quran. Please visit our YouTube channel'.</p>
<p>Donate: Click here if you would like to donate to support the organization. Donations are used to maintain the servers and to support students working in the system development.</p>	
<p>Contact Us: Contact us if you have any questions, concerns or feedback. Please provide your name, email and a message and QuranResearch.org admins will get back to you as soon as possible.</p>	 <p>The screenshot shows the QuranResearch.org homepage. The navigation bar includes links for Home, About, Docs, Join, News, Donate, and Contact us. The 'Contact us' link is circled in red. Below the navigation bar, there is a contact form with fields for Name, Email, and Message, and a 'Submit' button.</p>

2.2 Stats Manager, Text Splitting and Quran Wiki

Stats Manager: This page displays statistics related to the current surah, ayah, word, or selected text of the Quran. It gives serial numbers and counts of Ayahs/Words/Letters, counting forward/backward (from beginning or end) relative to the beginning/end of the whole Quran, current Surah/Ayah/Word.

For more information about the statistics displayed through the Stats Manager, the reader may refer to Section 3 that documents all the statistical columns of the Surahs, Ayahs, Words and Letters tables.

Surah: Selecting the Surah tabs gives statistics about the current surah such as the serial number, surah name, jummal values and the number of ayahs/words/letters in this surah.



Stats Manager Text Splitter QR Wiki	
Surah A	
Surah Serial No	1
Surah Serial No (Backward)	114
Surah Name	الفَاتِحَة
Jummal Value of Surah Name	525
Surah Full Name	سُورَةُ الْفَاتِحَةِ
Jummal Value of Full Surah Name	796
Jummal Value of Surah Text	10143
Revelation Sequence No	5
First Ayah in Surah Serial No	1
First Ayah in Surah Serial No (Backward)	6236
Last Ayah in Surah Serial No	7
Last Ayah in Surah Serial No (Backward)	6230
Ayah Count	7
First Word in Surah Serial No	1
First Word in Surah Serial No (Backward)	77433
Last Word in Surah Serial No	29
Last Word in Surah Serial No (Backward)	77405
Word Count	29
First Letter in Surah Serial No	1
First Letter in Surah Serial No (Backward)	326159
Last Letter in Surah Serial No	139
Last Letter in Surah Serial No (Backward)	326021
Letter Count	139

Ayah: Clicking on the Ayah tab gives statistics about the current ayah (written in the *Selected Ayah Box* under the displayed Quran page).

These statistics include: the Ayah serial number, its jummal Values, and different statistics about the word/letter counts. The page also gives stats about the first/last word/letter in the Ayah. It also gives information about the Ayah relative position to the Surah the Ayah belongs to.

Stats Manager Text Splitter QR Wiki	
Surah Ayah Word Selection	
Ayah Serial No	1
Ayah Serial No (Backward)	6236
Ayah No Within Surah	1
Ayah No Within Surah (Backward)	7
Jummal Value of Ayah	786
First Word in Ayah Serial No	1
First Word in Ayah Serial No (Backward)	77433
First Word in Ayah No Within Surah	1
First Word in Ayah No Within Surah (Backward)	29
Last Word in Ayah Serial No	4
Last Word in Ayah Serial No (Backward)	77430
Last Word in Ayah No Within Surah	4
Last Word in Ayah No Within Surah (Backward)	26
Word Count	4
First Letter in Ayah Serial No	1
First Letter in Ayah Serial No (Backward)	326159
First Letter in Ayah No Within Surah	1
First Letter in Ayah No Within Surah (Backward)	139
Last Letter in Ayah Serial No	19
Last Letter in Ayah Serial No (Backward)	326141
Last Letter in Ayah No Within Surah	19
Last Letter in Ayah No Within Surah (Backward)	121
Letter Count	19

Word: Clicking on the Word tab gives statistics about the current word. By default, the current word is the first word in the Ayah displayed in the Selected Ayah Box (under the Quran page).

The user can select (or highlight) a word by double-clicking this word (in the Selected Ayah Box) to make it the current word. Then, a click on the refresh button displays statistics related to the newly selected word (as shown in picture).

Example statistics include the word serial number, its jummal Values, and different statistics about the letter counts. The page also gives stats about the first/last letter in the Ayah. Moreover, it gives the Word relative position within the Surah or Ayah the word belongs to.

Stats Manager | Text Splitter | QR Wiki

Surah Ayah Word Selection

Please select a word & click

[Refresh](#)

Word	بِسْمِ
Word Without Tashkeel	بسم
Word Serial No	1
Word Serial No (Backward)	77433
Word No Within Ayah	1
Word No Within Ayah (Backward)	4
Word No Within Surah	1
Word No Within Surah (Backward)	29
Jummal Value of Word	102
First Letter in Word Serial No	1
First Letter in Word Serial No (Backward)	326159
Last Letter in Word Serial No	3
Last Letter in Word Serial No (Backward)	326157
Letter Count	3
First Letter in Word No Within Ayah	1
First Letter in Word No Within Ayah (Backward)	19
Last Letter in Word No Within Ayah	3
Last Letter in Word No Within Ayah (Backward)	17
First Letter in Word No Within Surah	1
First Letter in Word No Within Surah (Backward)	139
Last Letter in Word No Within Surah	3
Last Letter in Word No Within Surah (Backward)	137
No of times this word is repeated within Ayah so far	1

في حكمه أحدا ﴿٢٦﴾ وَأَنْتَ مَا أَوْحَى إِلَيْكَ مِنْ كِتَابٍ
رَبِّكَ لَا مُبْدِلَ لِكَلِمَاتِهِ وَلَنْ يَجْعَلَ مِنْ دُونِهِ مَلْتَحِدًا ﴿٢٧﴾

Ayah Serial No: 2165

وَلَبِثُوا فِي كَهْفِهِ ثَلَاثَ مِائَةٍ سِنِينَ
وَأَرْزَادُوا تَسْعًا

Stats Manager | Text Splitter | QR Wiki

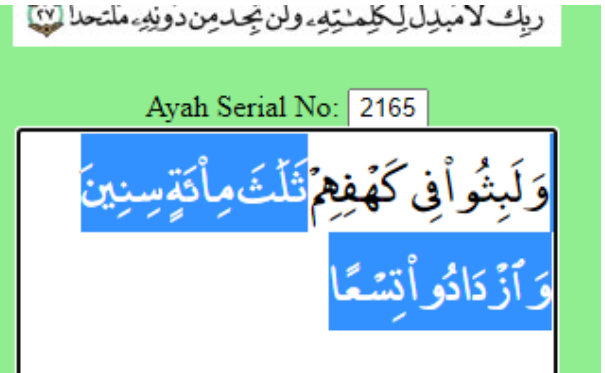
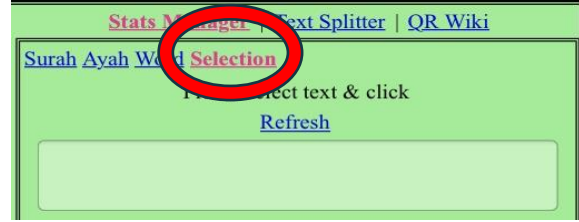
Surah Ayah Word Selection

Please select a word & click

[Refresh](#)

Word	ثَلَاثَ
Word Without Tashkeel	ثلاث
Word Serial No	37934
Word Serial No (Backward)	39500
Word No Within Ayah	4

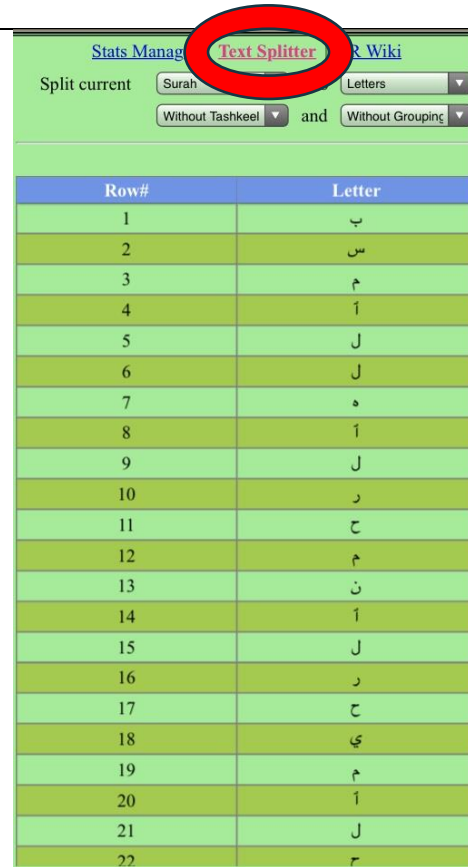
Selection: When you click on selection, it allows you to select text from the Selected Ayah Box. Then, a click on the refresh button displays statistics related to the newly selected text (as shown in picture).



Stats Manager Text Splitter QR Wiki	
Surah Ayah Word Selection	
Please select text & click Refresh	
<div> <div> </div> <div> </div> </div>	
Selected Text Letter Count	23
Selected Text Jummal	1808
First Selected Letter Value	ت
First Selected Letter Serial No	160221
First Selected Letter Serial No (Backward)	165939
First Selected Letter No Within Word	1
First Selected Letter No Within Word (Backward)	3
First Selected Letter No Within Ayah	14
First Selected Letter No Within Ayah (Backward)	23
First Selected Letter No Within Surah	1620

Text Splitter: The text splitter splits the current surah, ayah or word into its constituting letters or words. The user has the option to either consider Tashkeel or not while splitting. The user can also group similar words/letters and get a count of how many times the word/letter is repeated in the currently selected Surah/Ayah.

An example of splitting the current Surah into its Letters without Tashkeel and without grouping.



Row#	Letter
1	ب
2	س
3	م
4	ا
5	ل
6	ل
7	ه
8	ا
9	ل
10	ر
11	ح
12	م
13	ن
14	ا
15	ل
16	ر
17	ح
18	ي
19	م
20	ا
21	ل
22	ر

An example of splitting the current Ayah into its Words considering Tashkeel and with grouping/counting similar words.

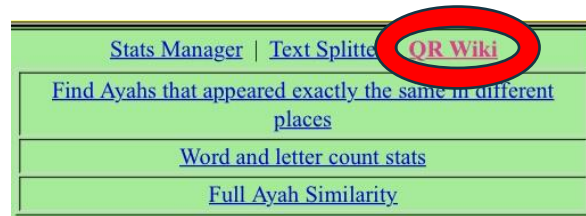


Row#	Word	Count
1	الَّذِينَ	1
2	الضَّالِّينَ	1
3	الْمُضْمِرِينَ	1
4	الْحَمْدُ	1
5	صِرَاطُ	1
6	عَلَيْهِمْ	2
7	عَزِيزٌ	1
8	وَلَا	1

QR WIKI: Under Construction... Below is the initial contributions to Quran Wiki

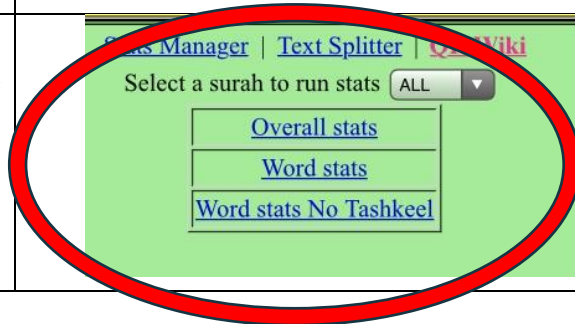
QR WIKI: Quran Research Wikipedia

- Find Ayahs the appeared exactly the same in different
 - Here you can find all the mutshabihat/smilar ayahs and how many times they occured in the Quran.
- Word and letter count stats
 - Here you can select a specific surah to run statistics on. You can also find overall stats about the whole Quran or run statistics on words with/without Tashkeel in the Quran.
- Full Ayah Similarity
 - Here you can choose the percentage of similarities within ayahs in the Quran. You do so by moving the bar to the right and left to increase or decrease similirties



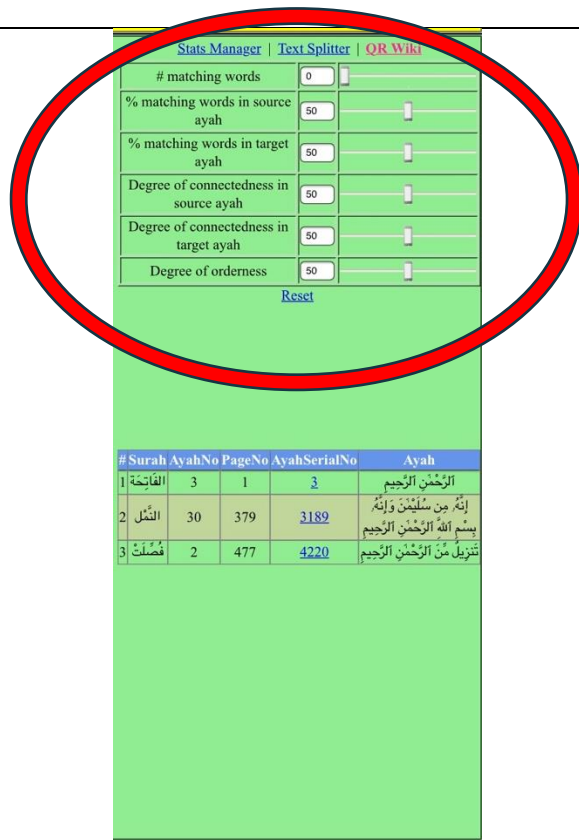
Word and letter count stats

Here you can select a specific surah to run statistics on. You can also find overall stats about the whole Quran or run statistics on words with/without Tashkeel in the Quran.



Full Ayah Similarity

Here you can choose the percentage of similarities within ayahs in the Quran. You do so by moving the bar to the right and left to



Stats Manager | Text Splitter | QR.Wiki

matching words: 0

% matching words in source ayah: 50

% matching words in target ayah: 50

Degree of connectedness in source ayah: 50

Degree of connectedness in target ayah: 50

Degree of orderness: 50

[Reset](#)

#	Surah	AyahNo	PageNo	AyahSerialNo	Ayah
1	الفاتحة	3	1	3	الْحَمْدُ لِلَّهِ الرَّحْمَنِ الرَّحِيمِ
2	البقرة	30	379	3189	إِنَّهُ مِنْ سُلَيْمَانَ وَإِنَّهُ بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
3	فصلت	2	477	4220	تَنْزِيلُ مِنَ الرَّحْمَنِ الرَّحِيمِ

3. Database Documentation and Table Schema

This section serves as a manual for researchers interested in conducting research using QuranResearch.org. This section addresses developers who are comfortable with their programming skills and who are willing to use these skills in Quranic research. This section provides the schema documentation of the database tables along with a brief description of each table. Sample rows from each table are provided for illustration purposes.

3.1 Table Name: Ayahs

Table Description:

This table lists all Ayahs in the Quran. For each Ayah (آية), it provides the Ayah's serial number along with the Ayah's Unicode text. It also provides the Surah's serial number (where the Ayah appeared) and the Ayah's sequence number within the Surah. Moreover, it provides the Rub's serial number (where the Ayah appeared) along with the Ayah's sequence number within this Rub. This table also includes the Jummal Value of the ayahs. The sample row tables are divided below to ease the reading of the data.

Column Name	Column Description	Data Type
AyahSerialNo	Ayah serial number in Quran being numbered from 1 till 6326, which is the last Ayah's serial number	Int
Ayah	The Unicode text of the ayah	Unicode Text
SurahSerialNo	The serial number of the Surah where the Ayah appeared	Int
RubSerialNo	The serial number of the Rub where the Ayah appeared	Int
AyahNoWithinSurah	The Ayah number within the Surah where the Ayah appeared	Int
AyahNoWithinRub	The Ayah number within the Rub where the Ayah appeared	Int
PagoNo	The page number where the Ayah appeared in	Int
JummalValue	The decimal alphabetical numerical value	Int
ReverseAyahSerialNo	Ayah serial number in Quran being numbered from 6326 till 1, which is the Ayah's serial number	Int
ReverseAyahNoWithin Surah	The ayah number within the surah where the ayah appeared from back of the Quran to front	Int
FirstWordSerialNo	The serial number of the first Word in Quran being numbered from 1 to 77,430.	Int
ReverseFirstWordSerialNo	The serial number of the first Word in Quran being numbered from 77,430 to 1.	Int
LastWordSerialNo	The serial number of the last Word in Quran being numbered from 1 to 77,43.	Int

ReverseLastWord SerialNo	The serial number of the last Word in Quran being numbered from 77,430 to 1.	Int
WordCount	The number of words in the words in the ayahs in the Quran.	Int
FirstLetterSerialNo	The letter serial number of the first letter in Quran from 1 to 326159.	Int
ReverseFirstLetter SerialNo	The letter serial number of the first letter in Quran from 326159 from to 1.	Int
LastLetterSerialNo	The letter serial number of the last letter in Quran from 1 to 326159.	Int
ReverseLastLetterSerialNo	The letter serial number of the last letter in Quran from 326159 from to 1.	Int
LetterCount	The number of letters in the words in the ayahs in the Quran	Int
FirstWordNoWithinSurah	The first word number within ayah within Surah from beginning of Quran to end	Int
ReverseFirstWordNoWithinSurah	The first word number within ayah within Surah from end of Quran to beginning	Int
LastWordNoWithinSurah	The last word number within ayah within Surah from beginning of Quran to end	Int
ReverseLastWordNo WithinSurah	The last word number within ayah within Surah from end of Quran to beginning	Int
FirstLetterNo WithinSurah	The first Letter number within a Surah from beginning of Quran to end	Int
ReverseFirstLetterNoWithin Surah	The first Letter number within a Surah from end of Quran to beginning	Int
LastLetterNoWithinSurah	The Last Letter number within a Surah from beginning of Quran to end	Int
ReverseLastLetterNoWithinSurah	The Last Letter number within a Surah from end of Quran to beginning	Int

Primary Key: AyahSerialNo

Indexes:

- (SurahSerialNo, AyahNoWithinSurah)
- (RubNo, AyahNoWithinRub)
- PageNo

Foreign Keys:

- SurahSerialNo references Surahs(SurahSerialNo)
- RubSerialNo references Juzs(RubSerialNo)

Sample rows:

AyahSerialNo	Ayah	SurahSerialNo	RubSerialNo	AyahNoWithinSurah
1	بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ	1	1	1
2	الْحَمْدُ لِلَّهِ رَبِّ الْعَالَمِينَ	1	1	2
3	الرَّحْمَنِ الرَّحِيمِ	1	1	3
4	مَلِكِ يَوْمِ الدِّينِ	1	1	4
5	إِيَّاكَ نَعْبُدُ وَإِيَّاكَ نَسْتَعِينُ	1	1	5
6	اهْدِنَا الصِّرَاطَ الْمُسْتَقِيمَ	1	1	6
7	صِرَاطَ الَّذِينَ أَنْعَمْتَ عَلَيْهِمْ غَيْرِ الْمَغْضُوبِ عَلَيْهِمْ وَلَا الضَّالِّينَ	1	1	7
8	الَمْ	2	1	1
9	ذَلِكَ الْكِتَابُ لَا رَيْبَ فِيهِ هُدًى لِّلْمُتَّقِينَ	2	1	2
10	الَّذِينَ يُؤْمِنُونَ بِالْغَيْبِ وَيُقِيمُونَ الصَّلَاةَ وَمِمَّا رَزَقْنَاهُمْ يُنفِقُونَ	2	1	3

AyahSerial No	AyahNoWithinRub	Page No	JummalValue	ReverseAyahSerial No	ReverseAyah NoWithin Surah
1	1	1	786	6236	7
2	2	1	581	6235	6
3	3	1	618	6234	5
4	4	1	241	6233	4
5	5	1	836	6232	3
6	6	1	1072	6231	2
7	7	1	6009	6230	1
8	8	2	71	6229	286
9	9	2	2220	6228	285
10	10	2	3162	6227	284

AyahSerialNo	FirstWordSerialNo	ReverseFirstWordSerialNo	LastWordSerialNo
1	1	77433	4
2	5	77429	8
3	9	77425	10
4	11	77423	13
5	14	77420	17
6	18	77416	20
7	21	77413	29
8	30	77404	30
9	31	77403	37
10	38	77396	45

AyahSerialNo	ReverseLastWordSerialNo	WordCount	FirstLetterSerialNo	ReverseFirstLetterSerialNo
1	77430	4	1	326159
2	77426	4	20	326140
3	77424	2	37	326123
4	77421	3	49	326111
5	77417	4	60	326100
6	77414	3	79	326081
7	77405	9	97	326063
8	77404	1	140	326020
9	77397	7	143	326017
10	77389	8	169	325991

AyahSerialNo	LastLetterSerialNo	ReverseLastLetterSerialNo	LetterCount	FirstWordNoWithinSurah
1	19	326141	19	1
2	36	326124	17	5
3	48	326112	12	9
4	59	326101	11	11
5	78	326082	19	14
6	96	326064	18	18
7	139	326021	43	21
8	142	326018	3	1
9	168	325992	26	2
10	214	325946	46	9

AyahSerialNo	ReverseFirstWordNoWithinSurah	LastWordNoWithinSurah	ReverseLastWordNoWithinSurah	FirstLetterNoWithinSurah
1	29	4	26	1
2	25	8	22	20
3	21	10	20	37
4	19	13	17	49
5	16	17	13	60
6	12	20	10	79
7	9	29	1	97
8	6117	1	6117	1
9	6116	8	6110	4
10	6109	16	6102	30

AyahSerialNo	ReverseFirstLetterNoWithinSurah	LastLetterNoWithinSurah	ReverseLastLetterNoWithinSurah
1	139	19	121
2	120	36	104

3	103	48	92
4	91	59	81
5	80	78	62
6	61	96	44
7	43	139	1
8	25900	3	25898
9	25897	29	25872
10	25871	75	25826

3.2 Table Name: Juzs

Table Description:

This table lists all the Juzs and its Rub subdivisions in the Quran along with their serial numbers. Quran is divided into 30 Juzs (جزء) and each Juz is subsequently divided into 8 Rub (ربع). Hence, Quran contains a total of 240 Rubs. For each Juz, the table provides the Rub serial number and the Rub number within the Juz, along with the first Ayah serial number in the Rub and the last Ayah serial number in the Rub.

Column Name	Column Description	Data Type
RubSerialNo	Rub serial number in Quran being numbered from 1 to 240 (30 Juzs x 8 Rubs per Juz)	Int
JuzNo	The Juz number being numbered from 1 to 30	Int
RubNoWithinJuz	The Rub number within the Juz numbered from 1 to 8	Int
FirstAyahSerialNo	The serial number of the first Ayah of the Juz	int
LastAyahSerialNo	The serial number of the last ayah of the Juz	int

Primary Key: RubSerialNo

Indexes:

- N/A

Foreign Keys:

- FirstAyahSerialNo references Ayahs(AyahSerialNo)
- LastAyahSerialNo references Ayahs(AyahSerialNo)

Sample rows:

RubSerialNo	JuzNo	RubNoWithinJuz	FirstAyahSerialNo	LastAyahSerialNo
1	1	1	1	32
2	1	2	33	50
3	1	3	51	66
4	1	4	67	81
5	1	5	82	98
6	1	6	99	112
7	1	7	113	130
8	1	8	131	148

9	2	1	149	164
10	2	2	165	183

3.3 Table Name: *PlaceOfRevelation*

Table Description:

This table is a master table that lists the places the surahs were revealed; either Mekkah or Madina.

Column Name	Column Description	Data Type
PlaceId	The number that identifies where the surah was revealed	int
Place	The place where the surah was revealed	Unicode Text

Primary Key: PlaceId

Indexes:

- N/A

Sample rows:

PlaceId	Place
1	مَكِّيَّة
2	مَدَنِيَّة

3.4 Table Name: *Surahs*

Table Description:

This table lists all the 114 Surahs in the Quran along with their serial numbers. For each surah, it lists the first and last Ayahs' serial numbers, the name of the Surah in Arabic, the page number where the Surah starts and the number of Ayahs in the Surah. It also lists the place where the surah was revealed and the sequence of its revelation. The surah name's exclusive and inclusive Jummal Value are also listed in this table as well as the sum of the values of the letters in the entire text of the surah. The sample row tables are divided below to ease the reading of the data.

Column Name	Column Description	Data Type
SurahSerialNo	The serial number of the Surah in the Quran being numbered from 1 to 114	int
FirstAyahSerialNo	The serial number of the first Ayah of the Surah	int
LastAyahSerialNo	The serial number of the Last ayah of the Surah	int
SurahName	The name of the Surah	Unicode Text
PageNo	The page number of the beginning of the Surah	int
AyahCount	The number of Ayahs in each Surah	int
PlaceOfRevelation	The place where the Surah was revealed	int
RevelationSequenceNo	The sequence number of the Surah according to the chronological order of revelation	int
JummalValue_SurahName Exclusive	The decimal alphabetical numerical value excluding Surah Name	int
JummalValue_SurahName Inclusive	The decimal alphabetical numerical value including Surah Name	int
JummalValue_SurahText	The sum of the values of the letters in the entire text of the surah	int
ReverseSurahSerialNo	The serial number of the Surah in the Quran being numbered from 114 to 1	int
ReverseFirstAyahSerialNo	The serial number of the last Ayah of the Surah	int
ReverseLastAyahSerialNo	The serial number of the first ayah of the Surah	int
FirstWordSerialNo	The serial number of the first Word in Quran being numbered from 1 to 77,430.	int
ReverseFirstWordSerialNo	The serial number of the first Word in Quran being numbered from 77,430 to 1.	int

LastWordSerialNo	The serial number of the last Word in Quran being numbered from 1 to 77,43.	int
ReverseLastWordSerialNo	The serial number of the last Word in Quran being numbered from 77,430 to 1.	int
WordCount	The number of words in the words in the ayahs in the Quran.	int
FirstLetterSerialNo	The letter serial number of the first letter in Quran from 1 to 326159.	int
ReverseFirstLetterSerialNo	The letter serial number of the first letter in Quran from 326159 from to 1.	int
LastLetterSerialNo	The letter serial number of the last letter in Quran from 1 to 326159.	int
ReverseLastLetterSerialNo	The letter serial number of the last letter in Quran from 326159 from to 1.	int
LetterCount	The number of letters in the words in the ayahs in the Quran	int

Primary Key: SurahSerialNo

Indexes:

- N/A

Foreign Keys:

- FirstAyahSerialNo references Ayahs(AyahSerialNo)
- LastAyahSerialNo references Ayahs(AyahSerialNo)
- PlaceOfRevelation references PlaceOfRevelation(PlaceId)

Sample rows:

SurahSerialNo	FirstAyahSerialNo	LastAyahSerialNo	SurahName	PageNo
1	1	7	الفَاتِحَة	1
2	8	293	البَقَرَة	2
3	294	493	آل عِمْرَان	50
4	494	669	النِّسَاء	77
5	670	789	المَائِدَة	106
6	790	954	الْأَنْعَام	128
7	955	1160	الْأَعْرَاف	151
8	1161	1235	الْأَنْفَال	177
9	1236	1364	التَّوْبَة	187
10	1365	1473	يُونُس	208

SurahSerialNo	AyahCount	PlaceOfRevelation	RevelationSequenceNo	JummalValueSurahName Exclusive
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1	7	1	5	525
2	286	2	87	338
3	200	2	89	391
4	176	2	92	143
5	120	2	112	82
6	165	1	55	193
7	206	1	39	383
8	75	2	88	193
9	129	2	113	444
10	109	1	51	126

SurahSerialNo	JummalValueSurahNameInclusive	JummalValueSurahText
1	796	10143
2	609	1824071
3	662	1055884
4	414	1116350
5	353	824145
6	464	933302
7	654	1054281
8	464	375606
9	715	737652
10	397	535721

SurahSerialNo	ReverseSurahSerialNo	ReverseFirstAyahSerialNo	ReverseLastAyahSerialNo
1	114	6236	6230
2	113	6229	5944
3	112	5943	5744
4	111	5743	5568
5	110	5567	5448
6	109	5447	5283
7	108	5282	5077
8	107	5076	5002
9	106	5001	4873
10	105	4872	4764

SurahSerialNumber	FirstWordSerialNo	ReverseFirstWordSerialNo	LastWordSerialNo
1	1	77433	29
2	30	77404	6146
3	6147	71287	9627
4	9628	67806	13374

5	13375	64059	16178
6	16179	61255	19228
7	19229	58205	22548
8	22549	54885	23782
9	23783	53651	26280
10	26281	51153	28113

SurahSerialNumber	ReverseLastWordSerialNo	WordCount	FirstLetterSerialNo	ReverseFirstLetterSerialNo
1	77405	29	1	326159
2	71288	6117	140	326020
3	67807	3481	26040	300120
4	64060	3747	40802	285358
5	61256	2804	56887	269273
6	58206	3050	68919	257241
7	54886	3320	81490	244670
8	53652	1234	95735	230425
9	51154	2498	101084	225076
10	49321	1833	112038	214122

SurahSerialNumber	LastLetterSerialNo	ReverseLastLetterSerialNo	LetterCount
1	139	326021	139
2	26039	300121	25900
3	40801	285359	14762
4	56886	269274	16085
5	68918	257242	12032
6	81489	244671	12571
7	95734	230426	14245
8	101083	225077	5349
9	112037	214123	10954
10	119558	206602	7521

3.5 Table Name: Sajdahs

Table Description:

This table lists all Sajdahs in the Quran along with their serial numbers and the Surahs where the Sajdahs are found. It also lists the Ayah serial number of the place and reason of sojod. In addition, it lists the Ayah number within the surah where the reason and place of sojod can be found. The word(s) that are considered to be the reason of the sojod is(are) also listed in the table below in Unicode text. The sample row tables are divided below to ease the reading of the data.

Column Name	Column Description	Data Type
SajdahSerialNo	The serial number of the Sajdah in the Quran numbered from 1 to 15	int
AyahSerialNo_PlaceOfSojod	The Ayah serial number of the place of sojod	int
AyahSerialNo_ReasonOfSojod	The ayah serial number of the reason of sojod	int
SurahSerialNo	The serial number of the surah where the Sajdah appeared	int
AyahNoWithinSurah_PlaceOfSojod	The Ayah number within the surah that includes the place of sojod	int
AyahNoWithinSurah_ReasonOfSojod	The Ayah number within the surah that includes the reason of sojod	int
ReasonOfSojod	The word(s) in the Ayah that is considered the reason of sojod	Unicode Text

Primary Key: SajdahSerialNo

Indexes:

- N/A

Foreign Keys:

- AyahSerialNo_ PlaceOfSojod references Ayahs(AyahSerialNo)
- AyahSerialNo_ ReasonOfSojod references Ayahs(AyahSerialNo)
- (SurahSerialNo, AyahNoWithinSurah_PlaceOfSojod) references Ayahs(SurahSerialNo,AyahNoWithinSurah)
- (SurahSerialNo, AyahNoWithinSurah_ReasonOfSojod) references Ayahs(SurahSerialNo)(AyahNoWithinSurah)

Sample rows:

SajdahSerialNo	AyahSerialNo_PlaceOfSojod	AyahSerialNo_Reason OfSojod	SurahSerial No
1	1160	1160	7
2	1722	1722	13
3	1951	1950	16
4	2138	2136	17
5	2308	2308	19
6	2613	2613	22
7	2672	2672	22
8	2915	2915	25
9	3185	3184	27
10	3518	3518	32
SajdahSerial No	AyahNoWithinSurah_Place OfSojod	AyahNoWithinSurah_Reason OfSojod	ReasonOf Sojod
1	206	206	يَسْجُدُونَ
2	15	15	وَلِلَّهِ يَسْجُدُ
3	50	49	وَلِلَّهِ يَسْجُدُ
4	109	107	يَخْرُونَ لِلْأَذْقَانِ سُجَّدًا
5	58	58	خَرُّوا سُجَّدًا
6	18	18	يَسْجُدُ لَهُ
7	77	77	وَاسْجُدُوا
8	60	60	اسْجُدُوا لِلرَّحْمَنِ
9	26	25	أَلَّا يَسْجُدُوا لِلَّهِ
10	15	15	خَرُّوا سُجَّدًا

3.6 Table Name: UniqueWords

Table Description:

This table lists the text of the unique words in the Quran (with *Tashkeel* being considered as part of the word) along with a unique ID number of each unique word.

Column Name	Column Description	Data Type
UniqueWordId	The number that identifies a Unique Word (with <i>Tashkeel</i>)	int
Word	The text of the Unique Word	Unicode Text

Primary Key:

- UniqueWordId

Indexes:

- N/A

Sample rows:

UniqueWordId	Word
1	ءَاٰرِبَابُ
2	ءَاَقْرَرْنٰكُمْ
3	ءَاَمِنْتُمْ
4	اٰيْنَ
5	ءَاَتَّخَذُ
6	ءَاَشْكُرُ
7	ءَاَبَا۟ءُهُمْ
8	ءَاَبَا۟ءُهُمْ
9	اٰ۟ذَا
10	اٰ۟ذَا

3.7 Table Name: UniqueWordsNoTashkeel

Table Description:

This table lists the text of the unique words in the Quran (after removing all Tashkeel characters from the word) along with a unique ID number of each unique word.

Column Name	Column Description	Data Type
UniqueWordId	The number that identifies a Unique Word (without Tashkeel)	int
Word	The text of the unique word in Quran	Unicode Text

Primary Key:

- UniqueWordId

Indexes:

- N/A

Sample rows:

UniqueWordId	Word
1	ءأرباب
2	ءأقررتم
3	ءأتخذ
4	ءأذا
5	ءأنذا
6	ءأسلمتم
7	ءأشكر
8	ءأله
9	ءأشفقتم
10	ءألد

3.8 Table Name: Words

Table Description:

The table lists all Words in the Quran along with a serial number given for each Word. For each Word, the table gives the serial number of the Ayah the Word appeared in. It also lists the Word sequence number within the Ayah. The Arabic representations of the Word (both with and without *Tashkeel* are given in the format of Unicode text . The table provides two columns: UniqueWordId and UniqueWordNoTashkeelId to relate the word with its corresponding entries in the *UniqueWords* and *UniqueWordsNoTashkeel* tables, respectively. For each word, there is a field (RepeatedWordOccuranceNo) that indicates how many times this word appeared in the Ayah so far (from the beginning of the Ayah until this occurrence of the Word). The table also includes the Jummal Value of the words in the Quran. The sample row tables are divided below to ease the reading of the data.

Column Name	Column Description	Data Type
WordSerialNo	The serial number of the Word in Quran being numbered from 1 to 77,433.	int
AyahSerialNo	The serial number of the Ayah where the Word appeared	int
WordNoWithinAyah	The sequence number of words within the ayah it appeared in	int
Word	The Arabic text of the word with <i>Tashkeel</i> characters being included	Unicode Text
WordNoTashkeel	The Arabic text of the word without <i>Tashkeel</i> characters	Unicode Text
UniqueWordId	The ID of the corresponding entry in the UniqueWords table	int
UniqueWordNoTashkeelId	The ID of the corresponding entry in the UniqueWordsNoTashkeel table	int
RepeatedWordOccuranceNo	The number of times this word appeared in the Ayah so far (from the beginning of the Ayah until this occurrence of the Word).	int
JummalValue	The decimal alphabetical numerical value	int
ReverseWordSerialNo	The serial number of the Word in Quran being numbered from 77,430 to 1	int
ReverseWordNoWithinAyah	The sequence number of words within the ayah it appeared in from end of the Quran to beginning	int

WordNoWithinSurah	The sequence number of words within the Surah it appeared in from beginning of Quran to end	int
ReverseWordNoWithinSurah	The sequence number of words within the Surah it appeared in from end of Quran to beginning	int
FirstLetterSerialNo	The letter serial number of the first letter in Quran from 1 to 326159	int
ReverseFirstLetterSerialNo	The letter serial number of the first letter in Quran from 326159 from to 1	int
LastLetterSerialNo	The letter serial number of the last letter in Quran from 1 to 326159	int
ReverseLastLetterSerialNo	The letter serial number of the last letter in Quran from 326159 from to 1	int
LetterCount	The number of letters in the words in the ayahs in the Quran	int
FirstLetterNoWithinAyah	The first Letter number within a Ayah from beginning of Quran to end	int
ReverseFirstLetterNoWithinAyah	The first Letter number within a Ayah from end of Quran to beginning	int
LastLetterNoWithinAyah	The Last Letter number within a Ayah from beginning of Quran to end	int
ReverseLastLetterNoWithinAyah	The Last Letter number within a Ayah from end of Quran to beginning	int
FirstLetterNoWithinSurah	The first Letter number within a Surah from beginning of Quran to end	int
ReverseFirstLetterNoWithinSurah	The first Letter number within a Surah from end of Quran to beginning	int
LastLetterNoWithinSurah	The Last Letter number within a Surah from beginning of Quran to end	int
ReverseLastLetterNoWithinSurah	The Last Letter number within a Surah from end of Quran to beginning	int

Primary Key:

- WordSerialNo

Indexes:

- (AyahSerialNo, WordNoWithinAyah)
- UniqueWordId

- UniqueWordNoTashkeelId

Foreign Keys:

- AyahSerialNo references Ayahs(AyahSerialNo)
- UniqueWordId references UniqueWords(UniqueWordId)
- UniqueWordNoTashkeelId references UniqueWordsNoTashkeel(UniqueWordId)

Sample rows:

WordSerial No	AyahSerialNo	WordNoWithinAyah	Word	UniqueWordId
1	1	1	بِسْمِ	4206
2	1	2	اللّٰهِ	1500
3	1	3	الرَّحْمٰنِ	894
4	1	4	الرَّحِيْمِ	896
5	2	1	اَلْحَمْدُ	744
6	2	2	لِلّٰهِ	11473
7	2	3	رَبِّ	6865
8	2	4	اَلْعٰلَمِيْنَ	1269
9	3	1	الرَّحْمٰنِ	894
10	3	2	الرَّحِيْمِ	896

WordSerial No	WordNoTashkeel	UniqueWordNo TashkeelId	RepeatedWord OccuranceNo	JummalValue
1	بسم	3291	1	102
2	الله	1116	1	66
3	الرحمن	695	1	329
4	الرحيم	697	1	289
5	الحمد	591	1	83
6	له	9138	1	65
7	رب	5450	1	202
8	العلمين	940	1	231
9	الرحمن	695	1	329
10	الرحيم	697	1	289

WordSerial No	ReverseWordSerial No	ReverseWordNoWithin Ayah	WordNoWithin Surah	ReverseWordNo WithinSurah
1	77433	4	1	29
2	77432	3	2	28
3	77431	2	3	27
4	77430	1	4	26

5	77429	4	5	25
6	77428	3	6	24
7	77427	2	7	23
8	77426	1	8	22
9	77425	2	9	21
10	77424	1	10	20

WordSerial No	FirstLetterSerialNo	ReverseFirstLetter SerialNo	LastLetterSerial No	ReverseLastLetterSerialNo
1	1	326159	3	326157
2	4	326156	7	326153
3	8	326152	13	326147
4	14	326146	19	326141
5	20	326140	24	326136
6	25	326135	27	326133
7	28	326132	29	326131
8	30	326130	36	326124
9	37	326123	42	326118
10	43	326117	48	326112

WordSerial No	LetterCount	FirstLetterNoWithinAyah	ReverseFirstLetterNoWithinAyah
1	3	1	19
2	4	4	16
3	6	8	12
4	6	14	6
5	5	1	17
6	3	6	12
7	2	9	9
8	7	11	7
9	6	1	12
10	6	7	6

WordSerial No	LastLetterNoWithin Ayah	ReverseLastLetterNoWithin Ayah	FirstLetterNoWithin Surah
1	3	17	1
2	7	13	4
3	13	7	8

4	19	1	14
5	5	13	20
6	8	10	25
7	10	8	28
8	17	1	30
9	6	7	37
10	12	1	43

WordSerial No	ReverseFirstLetterNoWithin Surah	LastLetterNoWithin Surah	ReverseLastLetterNoWithin Surah
1	139	3	137
2	136	7	133
3	132	13	127
4	126	19	121
5	120	24	116
6	115	27	113
7	112	29	111
8	110	36	104
9	103	42	98
10	97	48	92

3.9Table Name: Characters

Table Description:

The table lists all the Characters in the Quran including all Arabic letters, *Tashkeel* characters and other special characters. It also provides the word's serial number where the Character appeared and the Character's sequence number within the word it appeared in. It also lists the Arabic Characters and *Tashkeel* of the word.

Column Name	Column Description	Data Type
CharacterSerialNo	Character serial number in Quran being numbered from 1 till 623,635, which is the last Character's serial number	int
WordSerialNo	The serial number of the Word in Quran being numbered from 1 to 77,43.	int
CharacterNoWithin Word	The sequence number of the Character within the word it appeared in	int
Character	The Arabic Character and <i>Tashkeel</i> of the word	Unicode Text

Primary Key: CharacterSerialNo

Indexes:

- N/A

Foreign Keys:

- WordSerialNo references Words(WordSerialNo)

Sample rows:

CharacterSerialNo	WordSerialNo	CharacterNoWithinWord	Character
1	1	1	ب
2	1	2	ِ
3	1	3	س
4	1	4	َ
5	1	5	م
6	1	6	ِ
7	2	1	أ
8	2	2	ل
9	2	3	ل
10	2	4	َ

3.10 Table Name: UniCodeCharacters

Table Description:

The table lists all the Characters in the Quran, including Arabic Letters and *Tashkeel*. It also mentions the decimal Unicode & the Hex Unicode of the character.

Column Name	Column Description	Data Type
UniCodeCharacter	All the characters in the Quran, including Arabic Letters and <i>Tashkeel</i> .	Unicode Text
DecimalUniCode	The Decimal Unicode representation of the character	int
HexUniCode	The Hex Unicode representation of the character	Unicode Text

Primary Key: DecimalUniCode

Indexes:

- N/A

Foreign Keys:

- N/A

Sample rows:

UniCodeCharacter	DecimalUniCode	HexUniCode
ء	1569	0x00000621
أ	1571	0x00000623
ؤ	1572	0x00000624
إ	1573	0x00000625
ئ	1574	0x00000626
ا	1575	0x00000627
ب	1576	0x00000628
ة	1577	0x00000629
ت	1578	0x0000062a
ث	1579	0x0000062b
ج	1580	0x0000062c
ح	1581	0x0000062d
خ	1582	0x0000062e
د	1583	0x0000062f
ذ	1584	0x00000630
ر	1585	0x00000631
ز	1586	0x00000632
س	1587	0x00000633

ش	1588	0x00000634
ص	1589	0x00000635
ض	1590	0x00000636
ط	1591	0x00000637
ظ	1592	0x00000638
ع	1593	0x00000639
غ	1594	0x0000063a
ـ	1600	0x00000640
ف	1601	0x00000641
ق	1602	0x00000642
ك	1603	0x00000643
ل	1604	0x00000644
م	1605	0x00000645
ن	1606	0x00000646
ه	1607	0x00000647
و	1608	0x00000648
ى	1609	0x00000649
ي	1610	0x0000064a
َ	1611	0x0000064b
ِ	1612	0x0000064c
ُ	1613	0x0000064d
ٌ	1614	0x0000064e
ً	1615	0x0000064f
ّ	1616	0x00000650
ّ	1617	0x00000651
ّ	1618	0x00000652
ّ	1619	0x00000653
ّ	1620	0x00000654
ّ	1648	0x00000670
آ	1649	0x00000671
ّ	1756	0x000006dc
ّ	1759	0x000006df
ّ	1760	0x000006e0
ّ	1762	0x000006e2
ّ	1763	0x000006e3
ّ	1765	0x000006e5
أ	1766	0x000006e6
ؤ	1768	0x000006e8
ّ	1770	0x000006ea
ّ	1771	0x000006eb
ّ	1772	0x000006ec
ّ	1773	0x000006ed

3.11 Table Name: UniCodeCharacters_Letters

Table Description:

This table lists the Decimal Unicode of all the Letters in the Quran.

Column Name	Column Description	Data Type
DecimalUnicode	The Decimal Unicode representation of the Letters	int
LetterOrderInAlphabet	The order of the letters in Alphabet	int
JummalValue	The decimal alphabetical numerical value	int

Primary Key: DecimalUnicode

Indexes:

- N/A

Foreign Keys:

- DecimalUnicode references (UniCodeCharacters)(DecimalUnicode)

Sample rows:

DecimalUnicode	LetterOrderInAlphabet	JummalValue
1620	01	1
1649	02	1
1569	03	1
1571	04	1
1572	05	1
1573	06	1
1574	07	1
1575	08	1
1576	09	2
1577	10	5

3.12 Table Name: *UniCodeCharacters_Tashkeel*

Table Description:

This table lists the Decimal Unicode of all the *Tashkeel* that is used in the Quran.

Column Name	Column Description	Data Type
DecimalUnicode	The Decimal Unicode representation of the <i>Tashkeel</i>	int

Primary Key: DecimalUnicode

Indexes:

- N/A

Foreign Keys:

- DecimalUnicode references (UniCodeCharacters)(DecimalUnicode)

Sample rows:

DecimalUnicode
1611
1612
1613
1614
1615
1616
1617
1618

DecimalUnicode	UniCodeCharacter
1611	◌ْ
1612	◌َ
1613	◌ِ
1614	◌ُ
1615	◌ُْ
1616	◌ِْ
1617	◌َْ
1618	◌ْْ

3.13 Table Name: UniCodeCharacters_ OtherCharacters

Table Description:

This table lists the Decimal Unicode of all other characters that are mentioned in the Quran.

Column Name	Column Description	Data Type
DecimalUnicode	The Decimal Unicode representation of all other characters	int

Primary Key: DecimalUnicode

Indexes:

- N/A

Foreign Keys:

- DecimalUnicode references (UniCodeCharacters)(DecimalUnicode)

Sample rows:

DecimalUnicode
1600
1619
1648
1756
1759
1760
1762
1763
1765
1766
1768
1770
1771
1772
1773

DecimalUnicode	UniCodeCharacter
1600	-
1619	◌

1648	١٦٤٨
1756	١٧٥٦
1759	١٧٥٩
1760	١٧٦٠
1762	١٧٦٢
1763	١٧٦٣
1765	١٧٦٥
1766	١٧٦٦
1768	١٧٦٨
1770	١٧٧٠
1771	١٧٧١
1772	١٧٧٢
1773	١٧٧٣

3.14 Table Name: QuranPageAyahBoxes

Table Description:

This table lists the page numbers where the ayahs appear in. It also lists the Ayah Serial Number of the ayahs on the specified page. For each ayah, there is a box number. For each box number, there is a x axis, y axis, width and height of the box.

Column Name	Column Description	Data Type
PageNo	The page number where the ayahs appeared in	int
AyahSerialNo	The serial number of the Ayahs on the page	int
BoxNo	The box numbers for each ayah	int
x	The x axis of the box	int
y	The y axis of the box	int
w	The width of the box	int
h	The height of the box	int

Primary Key: pageNo

Indexes:

- N/A

Foreign Keys:

- AyahSerialNo references (Ayahs)(AyahSerialNo)

Sample rows:

PageNo	AyahSerialNo	BoxNo	x	y	w	h
1	1	1	0	0	290	28
1	1	2	0	28	290	28
1	1	3	0	57	290	28
1	1	4	0	85	290	28
1	1	5	85	114	205	28
1	2	1	0	114	85	28
1	2	2	55	143	235	28
1	3	1	0	143	55	28
1	3	2	155	171	135	28
1	4	1	44	171	111	28
1	5	1	0	171	44	28
1	5	2	79	200	211	28
1	6	1	0	200	79	28

1	6	2	143	228	147	28
1	7	1	0	228	143	28

3.15 Table Name: Letters

Table Description:

The table lists all the Arabic letters in the Quran without *Tashkeel* or other/special character. It also provides the word's serial number where the Letter appeared and the Letter's sequence number within the word it appeared in. It also lists the Arabic Letters.

Column Name	Column Description	Data Type
LetterSerialNo	Letter serial number in Quran being numbered from 1 till 326,159, which is the last Letter's serial number	int
WordSerialNo	The serial number of the Word in Quran being numbered from 1 to 77,43	int
LetterNoWithinWord	The sequence number of the Letter within the word it appeared in from beginning of Quran to end	int
Letter	The Arabic Letter of the word	Unicode Text
ReverseLetterSerialNo	Letter serial number in Quran being numbered from 326,159 till 1, which is the first Letter's serial number	int
ReverseLetterNoWithinWord	The sequence number of the Letter within the word it appeared in from end of Quran to beginning	int
LetterNoWithinAyah	The Letter number within a Ayah from beginning of Quran to end	int
ReverseLetterNoWithinAyah	The Letter number within a Ayah from end of Quran to beginning	int
LetterNoWithinSurah	The Letter number within a Surah from beginning of Quran to end	int
ReverseLetterNoWithinSurah	The Letter number within a Surah from end of Quran to beginning	int

Primary Key: LetterSerialNo

Indexes:

- N/A

Foreign Keys:

- WordSerialNo references Words(WordSerialNo)

Sample rows:

LetterSerialNo	WordSerialNo	LetterNoWithinWord	Letter
1	1	1	ب
2	1	2	س
3	1	3	م
4	2	1	أ
5	2	2	ل
6	2	3	ل
7	2	4	ه
8	3	1	أ
9	3	2	ل
10	3	3	ر

LetterSerialNo	ReverseLetterSerialNo	ReverseLetterNoWithinWord	LetterNoWithinAyah
1	326159	3	1
2	326158	2	2
3	326157	1	3
4	326156	4	4
5	326155	3	5
6	326154	2	6
7	326153	1	7
8	326152	6	8
9	326151	5	9
10	326150	4	10

LetterSerialNo	ReverseLetterNoWithinAyah	LetterNoWithinSurah	ReverseLetterNoWithinSurah
1	19	1	139
2	18	2	138
3	17	3	137
4	16	4	136
5	15	5	135
6	14	6	134
7	13	7	133
8	12	8	132
9	11	9	131
10	10	10	130

4. The Contributor's Dashboard and the Developers' corner

[Under construction.....]