SRS - SRS document on QUORA

Software Engineering (Lovely Professional University)

Studocu is not sponsored or endorsed by any college or university
Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

SRS DOCUMENT

CSE320: Software Engineering

Name: Tarun Dhama

Reg No: 11801588

Section: K18KH

Roll No: 02

This document is available free of charge on studocu

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

Table of contents

Contents

1.0INTRODUCTION :.....3

2.0PURPOSE & SCOPE :.....3

3.0 FUNCTIONAL REQUIREMENTS **:**.....4

FR 3.1 Add Question or Link.....4

FR 3.2 Answer.....4

FR 3.2.1 For You.....4

FR 3.2.2 Requests.....4

FR 3.2.3 Saved.....4

FR 3.3 Profile.....5

FR 3.4 Search Box.....5

FR 3.5 Notification.....5

FR 3.5.1 Mark All As Read.....5

FR 3.5.2 Settings.....5

FR 3.6 Feeds.. 5

FR 3.7 Message.....6

FR 3.8 Settings.....6

FR 3.9 Log-In.....6

FR 3.10 Sign Up.....6

4.0NON-FUNCTIONAL REQUIREMENTS.....7

4.1Availability.....7

4.2Portability.....7

4.3Maintainability.....7

5.0 Constraints.....7

6.0TEST-CASES.....8

6.1Add Question or Link.....8

7.0 USE CASE DIAGRAMS.....12

8.0 DATA FLOW DIAGRAMS..... 13

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

1.0 INTRODUCTION:

Quora is a question-and-answer site where questions are asked, answered, edited, and organized by its community of users in the form of opinions. Any person who is registered with the website can ask any question and all others will get a chance to answer it and the questioner will get different opinions or answers from different people. Another person who have same question can also view all the answers and can get the knowledge. Users can also collaborate by editing questions and suggesting edits to answers that have been submitted by other users. Quora's mission is to share and grow the world's knowledge. A vast amount of the knowledge that would be valuable to many people is currently only available to a few - either locked in people's heads, or only accessible to select groups. So, it connects the people who have knowledge to the people who need it, to bring together people with different perspectives so they can understand each other better, and to empower everyone to share their knowledge for the benefit of the rest of the world. Its publisher, Quora Inc. is based in Mountain View, California. The company was founded in June 2009, and the website was made available to the public on June 21, 2010.

2.1 PURPOSE & SCOPE:

- The heart of Quora is questions that will affect the world, questions that explain recent world events, questions that guide important life decisions, and questions that provide insights into why other people think differently.

- Quora is a place where you can ask questions you care about and get answers that are amazing.

- Quora brings together people from different worlds to answer the same question, in the same place and to learn from each other.

- Quora helps you understand why the world works the way it does, why people behave the way they do, and what we can all do to make the world better.

- Quora provides a personalized feed of insightful answers to questions you hadn't realized you should ask.

- Quora's answers come from people who really understand the issues and have first-hand knowledge.

- Quora is the place to read inspiring people directly answering the questions people most wanted them to answer. It is where you can read important insights that have never been shared anywhere else, from people you could never reach any other way.

This document is available free of charge on studocu

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

3.0 FUNCTIONAL REQUIREMENTS:

Functional requirements define the specific functions that the system performs, along with the data operated on by the functions. The functional requirements are presented in scenarios that depict an operational system from the perspective of its end users. Included are one or more examples of all system features and an enumeration of all the specific requirements associated with these features.

FR 3.1 Add Question or Link

To ask or add any question or link on quora.com
Input: Click on the add question or link button.
Output: A new window will open for take input and submit.
Processing: It will verify the question and will add it to database.

FR 3.2 Answer

To give answer of the available questions
Input: Click on the answer button.
Output: A new window will open with some options.
Processing: It will take the options from database and will show it.

FR 3.2.1 For You

It shows questions and answers related to feeds.
Input: Click on the For You button.
Output: A new window will open with questions and answers related to feeds.
Processing: It will take data of question and answer from database and will show it.

FR 3.2.2 Requests

To view answers of requested questions
Input: Click on the requests button
Output: A new window will open with answers of questions added by you.
Processing: It will view requested questions from database and will fetch their answer.

FR 3.2.3 Saved

To view answer and question which was previously saved by user.
Input: Click on the saved button.
Output: A new window will open with all questions and answers saved previously by user.
Processing: It will fetch all the saved questions and answers from database.

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

FR 3.3 Profile

To get different profile related and quora.com related options.
Input: Click on the profile button.
Output: A new window will open with details of your profile and activities.
Processing: It will take profile details from database and will show it.

FR 3.4 Search Box

To search any question or type of any question inside Quora.
Input: Enter what you want to search and click on the search button.
Output: A new window will open with results related to your input.

FR 3.5 Notification

To view all the notification for your account like get answer of your question.
Input: Click on the notification button.
Output: A new box will open with all the notification for your account.
Processing: It will fetch all the notifications from database and will show it.

FR 3.5.1 Mark All as Read

To mark all the unviewed notifications as viewed.
Input: Click on the Mark all as Read button.
Output: All notifications will be marked as viewed.
Processing: It will check which notifications are unread will mark them as read.

FR 3.5.2 Settings

It is a setting for notifications.
Input: Click on the settings icon.
Output: A new window will open with all the modes of settings for notifications.
Processing: It will fetch all the current settings from database and will show it as default.

FR 3.6 Feeds

To add, view or search different topics for question-answer.
Input: Click on the feeds button.
Output: A dropdown will open with different topics name and a search box.
Processing: It will take all the possible options from database and will show it.

This document is available free of charge on studocu

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

FR 3.7 Message

To connect with other people of Quora by messages.
Input: Click on the message button.
Output: A new window will open to write message and to view all messages.
Processing: It will take previous messages from database and will show it.

FR 3.8 Settings

To change the settings or details for the profile.
Input: Click on the settings button.
Output: A new window will open with options like account, privacy, language settings.

FR 3.9 Log-In

To log-in to quora.com account
Input: Click on log-in button.
Output: User logged in to home page
Processing: It will verify the input from database and then proceed according to it.

FR 3.10 Sign Up

To create an account on quora.com
Input: Fill up the form and click on submit button
Output: A popup will come with confirmation of created account.
Processing: It will save the information to database for further proceed.

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

4.1 NON-FUNCTIONAL REQUIREMENTS

Non-Functional requirements define the needs in terms of performance, logical database requirements, design constraints, standards compliance, reliability, availability, security, maintainability, and as well as portability.

4.2 Availability

The system is available at all times, meaning the user can access it using any web browser also with low browsing speed. It is available in android and iOS platform as an application. It is also available on mobile browsers too.

4.3 Portability

This system can run in any windows platform having browser of any version. It is also available in mini browsers for mobile. The software needs android 4.2 minimum to run as an android application.

4.4 Maintainability

A commercial database is used for maintaining the database of the website. and the application server takes care of the site. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently.

5.0 Constraints

This system is easily available and easily accessible in all type of browsers. But the constraint comes when we talk about application and software version of this system. Till now Software for windows platform is not available. Also, the mobile application for android and iOS platform is a modified browser version only.

This document is available free of charge on studocu

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

6.0 TEST-CASES

A test case is a set of conditions or variables under which a tester will determine whether a system under test satisfies requirements or works correctly. The process of developing test cases can also help find problems in the requirements or design of an application.

6.0 Add Question or Link

Synod	Input	State	Expected Output	Actual Output	Result
1	A question added	Added to database	Question shown in added question	No question is showing	Fail
2	A question added	Added to database	Question shown in added question	Question is showing in added question	Pass

6.0 Answer

Synod	Input	State	Expected Output	Actual Output	Result
1	Answer is added for a question	Added to database	Added answer is showing with question	Only question is showing	Fail
2	Answer is added for a question	Added to database	Added answer is showing with question	Answer is also showing under question	Pass
3	Click on requested questions button	Checking into database	Added question with answer is showing	Nothing is showing	Fail
4	Click on requested questions button	Checking into database	Added question with answer is showing	Only added question is showing	Fail
5	Click on requested questions button	Checking into database	Added question with answer is showing	Added question with answer is showing	Pass
6	Click on saved question button	Checking into database	Saved questions and answers need to be shown	Saved question with answers are showing	Pass

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

6.1 Search Box

Synod	Input	State	Expected Output	Actual Output	Result
1	A question is added to search box	Adding to database	Related questions are showing on screen	No question is showing	Fail
2	A question is added to search box	Adding to database	Related questions are showing on screen	Non related questions are showing	Fail
3	A question is added to search box	Adding to database	Related questions are showing on screen	Related questions are showing on screen	Pass

6.1 Feeds

Synod	Input	State	Expected Output	Actual Output	Result
1	Click on feed button or icon	Fetching from database	Expected list of topics need to be shown	Nothing is showing	Fail
2	Click on feed button or icon	Fetching from database	Expected list of topics need to be shown	Expected list of topics is showing	Pass

6.2 Sign Up

Synod	Input	State	Expected Output	Actual Output	Result
1	Password added without mixture of symbols and characters	Adding to database	Pop Up of account created is showing	Pop Up of account created is showing	Fail
2	Password added without mixture of symbols and characters	Adding to database	Pop Up of account created is showing	Pop comes with ‘enter a valid password’	Pass
3	Password added with mixture of symbols and characters	Adding to database	Pop Up of account created is showing	Pop Up of account created is showing	Pass

This document is available free of charge on studocu

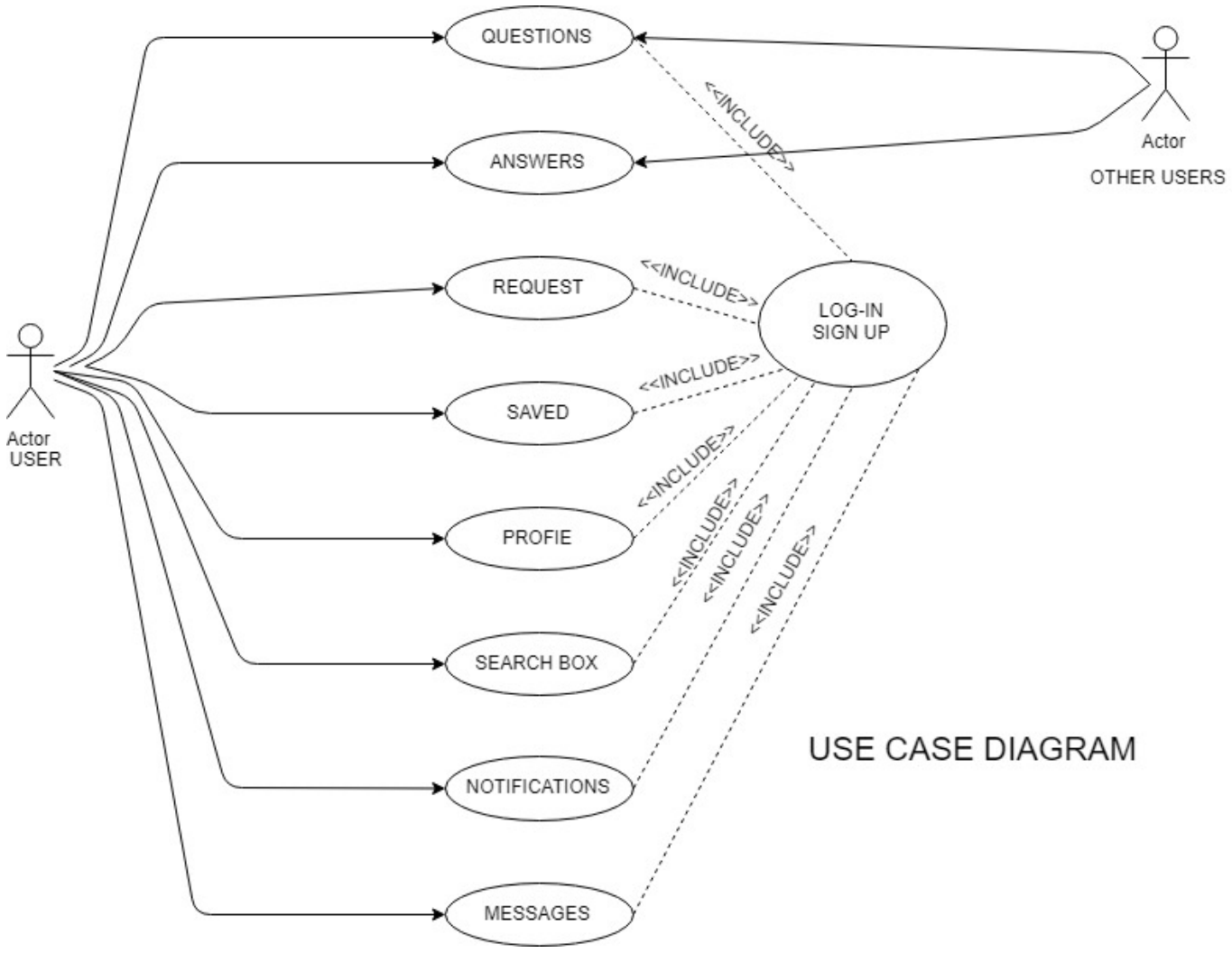
Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

6.3 Log In

Synod	Input	State	Expected Output	Actual Output	Result
1	Wrong Username/ Correct password	Checking into database	Homepage will open	Homepage is opening	Fail
2	Wrong Username/ Correct password	Checking into database	Homepage will open	Popup showing for wrong input	Pass
3	Correct Username/ Wrong password	Checking into database	Homepage will open	Homepage is opening	Fail
4	Correct Username/ Wrong password	Checking into database	Homepage will open	Popup showing for wrong input	Pass
5	Correct Username/ Correct password	Checking into database	Homepage will open	Popup showing for wrong input	Fail
6	Correct Username/ Wrong password	Checking into database	Homepage will open	Homepage is opening	Pass

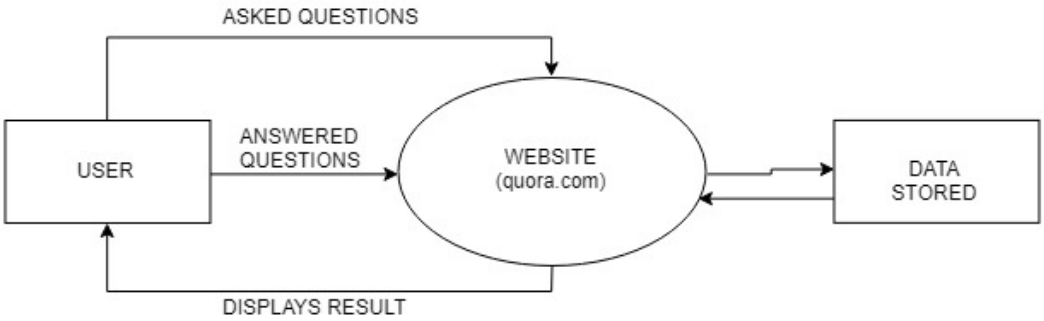
Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

7.1 USE CASE DIAGRAMS

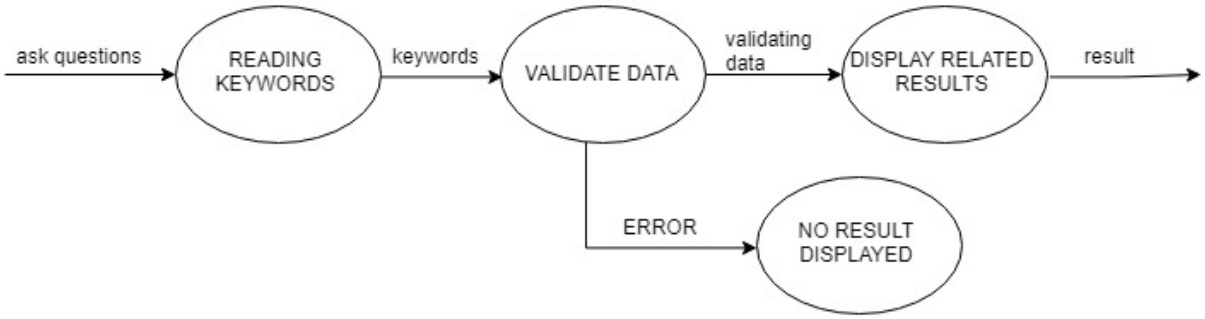


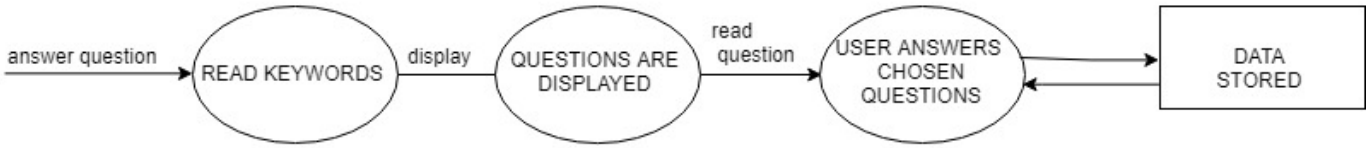
8.1 DATA FLOW DIAGRAMS

This document is available free of charge on studocu
Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

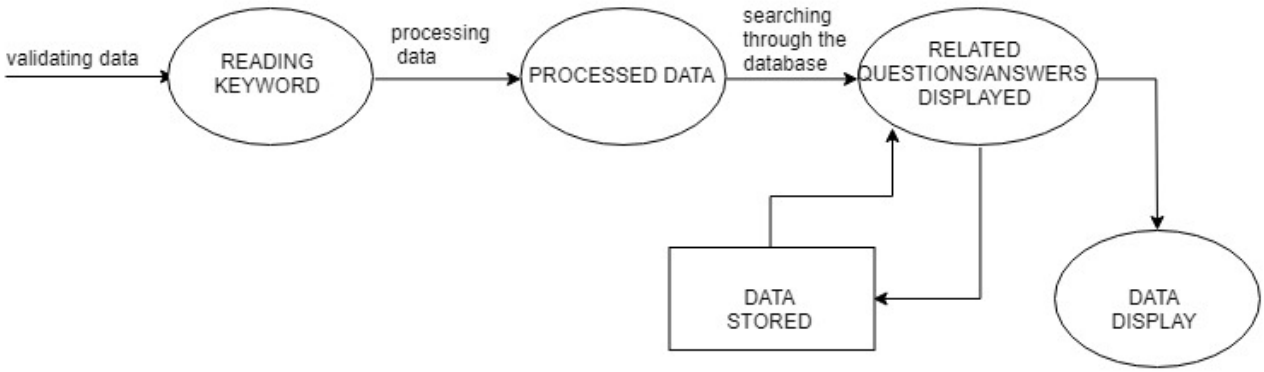


ZERO LEVEL





FIRST LEVEL



SECOND LEVEL

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)