
Software Requirements Specification

for

Charusat Quora

Version 1.0 approved

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Name	Date	Reason For Changes	Version
SRS for Charusat Quora		N/A	1.0

1. Introduction

1.1 Introduction

Charusat Quora is a social question-and-answer community website based on websites like Quora or stack-overflow. The community of that website is student and staff of Charusat university. It's common practice to ask Google your questions online instead of bothering real people these days. But when your question is so specific and Google's results are so vague that you're left with even more questions than you did when you began. So, we try to build question and answer sites out there with huge communities of university people who are willing to help you out. Although the answers you get might be based mostly on personal opinions more than qualified knowledge or experience

1.2 Document Conventions

All the table caption in italic. Section starts with bold letters. All images and tables must have captions. Web-sources references must available in URL.

1.3 Project Scope

Q&A software is often provided to corporate and specialist sites, so the site and its users can be asked questions as well as provide or receive expert answers to them. This kind of software is particularly useful for responding to questions regarding specific organization. Users may learn by regularly answering questions or exchanging views with other organization staff and community using the website.

However, in recent years, community Q&A sites tend to embrace newer interaction designs than the other types of Q&A sites, by providing features like tagging and rating interfaces, RSS feeds, and highly interactive browsing and searching capabilities. These features used the crowd power to evaluate the quality of answers and also the reliability of the contributors. Some communities as stack-overflow tags the users received highest votes in a given domain as "Excellent answer provider". These new features generally integrate expert verification and service into Q&A community sites.

1.4 References

- <https://thenextweb.com/news/sites-people-opinions-questions-answered#:~:text=Answerly,using%20a%20custom%20Google%20search.&text=Aardvark%20uses%20an%20entirely%20new,and%20receive%20answers%20to%20questions.>
- <https://aelieve.com/rankings/websites/category/reference/best-question-and-answer-sites/>

2. Overall Description

2.1 Product Perspective

Charusat Quora is the follow-up of the existing Quora website to answer and ask queries for local Charusat University. This product replaces the existing Quora due to local needs of Charusat people to sought out locally.

2.2 Product Features

Major features of Charusat Quora are:

- Enrollment and account creation
- Recovery of accounts
- Searching of questions
- Asking of questions
- Answering of questions
- Voting/Devoting of answered questions
- Showcase of answers with voted rankings

2.3 User Classes and Characteristics

As Charusat Quora is targeting the local needs of Charusat University, the user classes are the people of Charusat only namely:

- Charusat Students
- Charusat Teachers
- Charusat Staff Members

For the Characteristic concern every individual will be allowed to ask and answer the questions according the needs and knowledge. Also anyone having an account in Charusat Quora can Vote/Devote the Answers for good ranking and rumor less environment.

2.4 Operating Environment

- Any Operating System in market
- Any Browser in market
- Any Computer Device having internet and browser support

3. System Features

3.1 Enrollment and Recovery of user

3.1.1 Description and Priority

Enrollment feature makes the user to create its account to use the website to its deeper extent. It includes sub-features like sign in, login in, password authentications, password recovery in case of forgotten password, etc.

Priority: Medium

3.1.2 Stimulus/Response Sequences

The various alerts and messages would timely notify the user to make the website user friendly. For instance, On signup: "You are successfully a member of Charusat Quora!". will be notification on screen to give user an assurance. And thus the entry pass will be approved for user to use the main features of website.

3.1.3 Functional Requirements

The credentials would be accepted with perfection. On the invalid credential entry the alert of invalid credentials should be popped up.

3.2 Asking and Answering of Question

3.1.1 Description and Priority

This feature enables the user to use one of the main feature of website, to ask and answer the queries on the portal.

Priority: High

3.1.2 Stimulus/Response Sequences

On successful operation of asking or answering respective alerts will notify the user for assurance. For instance, On Answering: "Your answer is uploaded on Charusat Quora!" will be notification on screen to give user an assurance. And the Question/Answer database will be reflected with so.

3.1.3 Functional Requirements

If answer or questioning, the space allotted for its use should not be left empty to be able to press the submit button successfully. So the empty field alert would be raised and popped up.

3.3 Upvoting/Downvoting

3.1.1 Description and Priority

This feature enables the users to upvote and downvote the answers which are answered by other users to make those answers ranked to be displayed accordingly and make the environment rumor less.

Priority: High

3.1.2 Stimulus/Response Sequences

On successfully voting or devoting alerts the user with successful notifications. And the upvote and downvote will be allotted to the particular answer.

3.1.3 Functional Requirements

On voting his/her own answer stops the user with "Can't vote your own answers" again to make the rumor less environment.

3.4 Search a Question's Answer

3.1.1 Description and Priority

This feature enables the user to use the main feature to search the needed answer to his/her questions by writing the question in a allotted Search Box

Priority: High

3.1.2 Stimulus/Response Sequences

On typing the question and pressing the search button, the related questions and their answers will be reflected in the screen with the voted ranking manner.

3.1.3 Functional Requirements

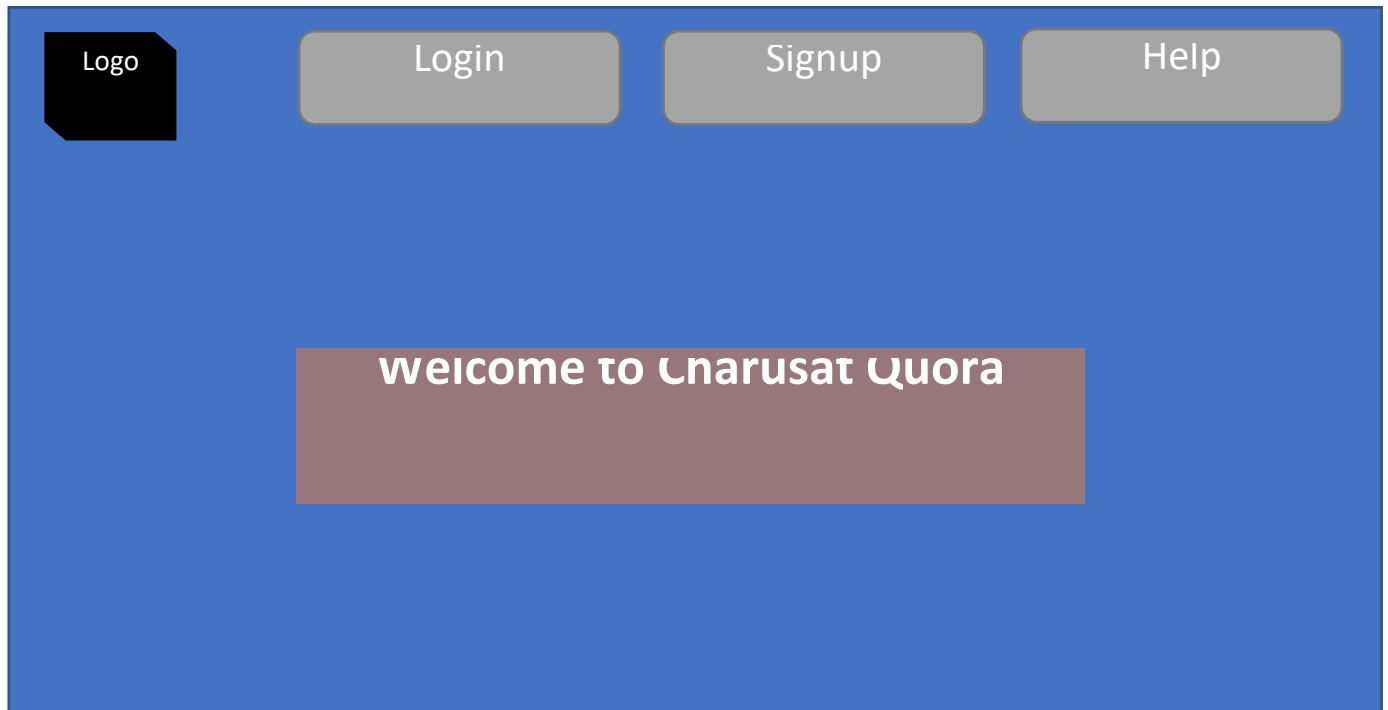
Searching the question will provide the related questions and answers in the screen. There will be voting functionality here also for the questionnaire's satisfaction and answering persons ranking decision sake.

4. External Interface Requirements

4.1 User Interfaces

GUIs:

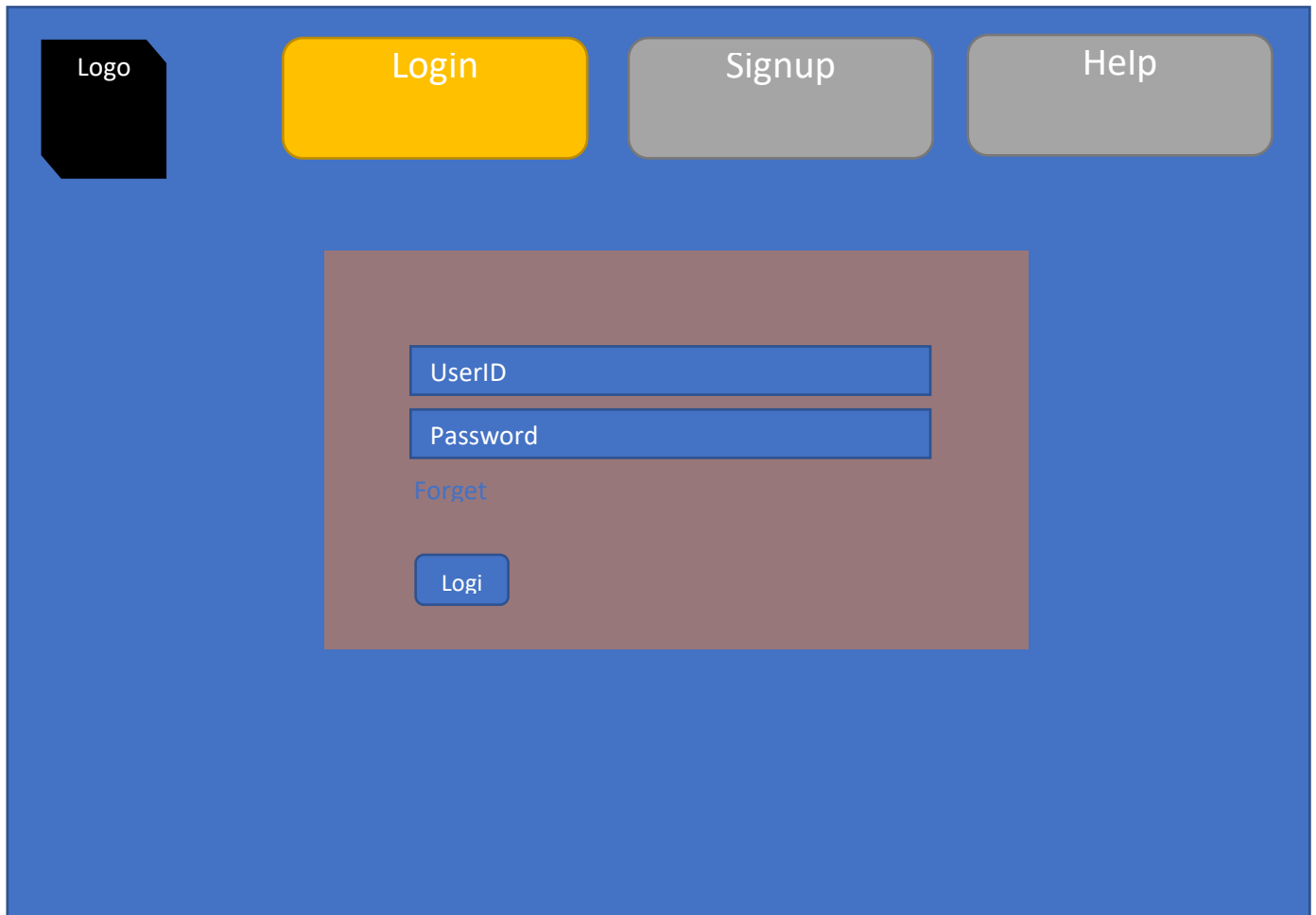
Landing page:



Signup:

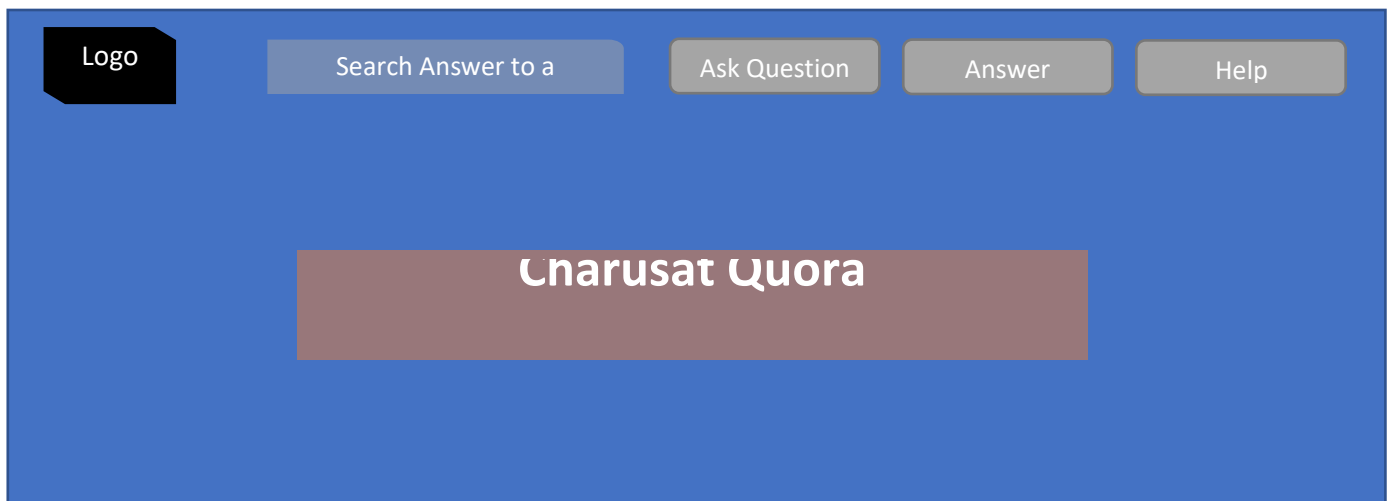
The image shows a wireframe for a web page. The top navigation bar is blue and contains four buttons: 'Logo' (black square), 'Login' (gray rounded rectangle), 'Signup' (yellow rounded rectangle), and 'Help' (gray rounded rectangle). Below the navigation bar, centered on the page, is a light brown rectangular box containing a signup form. The form consists of four blue input fields stacked vertically, labeled 'Email', 'UserID', 'Password', and 'Repeat Password'. Below these fields is a blue 'Sign' button.

Login:



The login page features a blue background. At the top left is a black 'Logo' button. To its right are three buttons: a yellow 'Login' button, a grey 'Signup' button, and a grey 'Help' button. In the center is a light brown rectangular box containing a 'UserID' input field, a 'Password' input field, a blue 'Forget' link, and a blue 'Logi' button.

Home page:



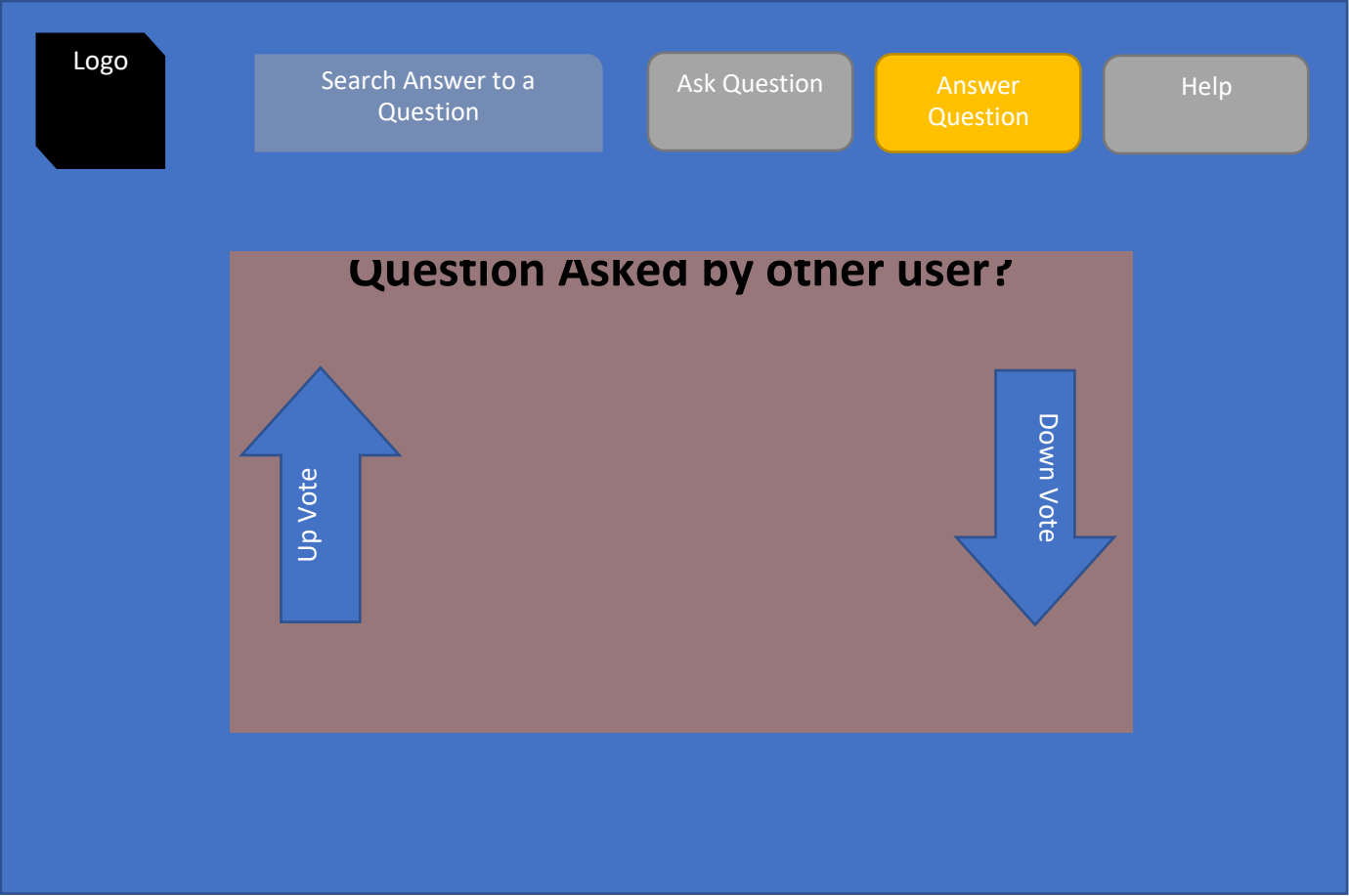
The home page has a blue background. At the top left is a black 'Logo' button. To its right are four buttons: a grey 'Search Answer to a' button, a grey 'Ask Question' button, a grey 'Answer' button, and a grey 'Help' button. In the center is a light brown rectangular box with the text 'Charusat Quora' in white.

Ask question:

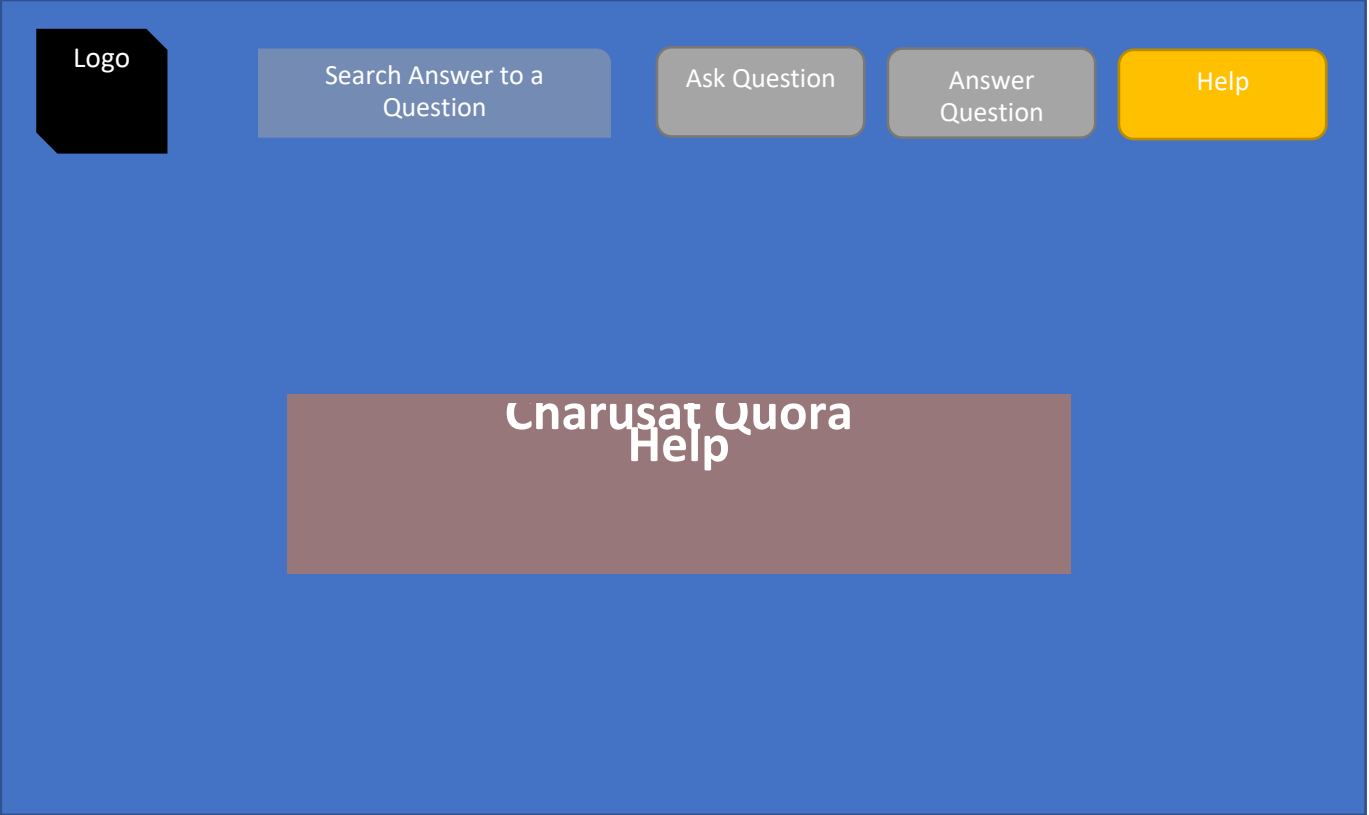
The image shows a user interface for asking a question. It features a blue background. At the top left is a black square labeled "Logo". To its right are four buttons: "Search Answer to a Question" (light blue), "Ask Question" (yellow), "Answer Question" (light gray), and "Help" (light gray). In the center, there is a brown rectangular box with the text "Ask here:" at the top. Inside this box is a large gray rectangular area for text input. Below the input area is a blue button labeled "Ask to Charusat".

The image shows a user interface for a platform called Charusat Quora. The background is a solid blue color. At the top left, there is a black rectangular area labeled "Logo". To the right of the logo, there are four rounded rectangular buttons arranged horizontally: "Search Answer to a Question" (light blue), "Ask Question" (light gray), "Answer Question" (yellow), and "Help" (light gray). Below these buttons, there is a large, light brown rectangular area. Inside this area, at the top, is the text "Question Asked by other user?" in bold black font, followed by "Answer here:" in bold black font. Below this text is a large, light gray rectangular box, likely for pasting or typing an answer. At the bottom of this light brown area, there is a blue rounded rectangular button labeled "Upload Answer".

Vote:



Help:



5. Other Nonfunctional Requirements

5.1 Performance Requirements

Any compatible browser capable of running latest version of HTML, CSS, Bootstrap, Python, Django, JQuery and a stable internet connection.

5.2 Security Requirements

Authentication is required to use the website.

5.3 Software Quality Attributes

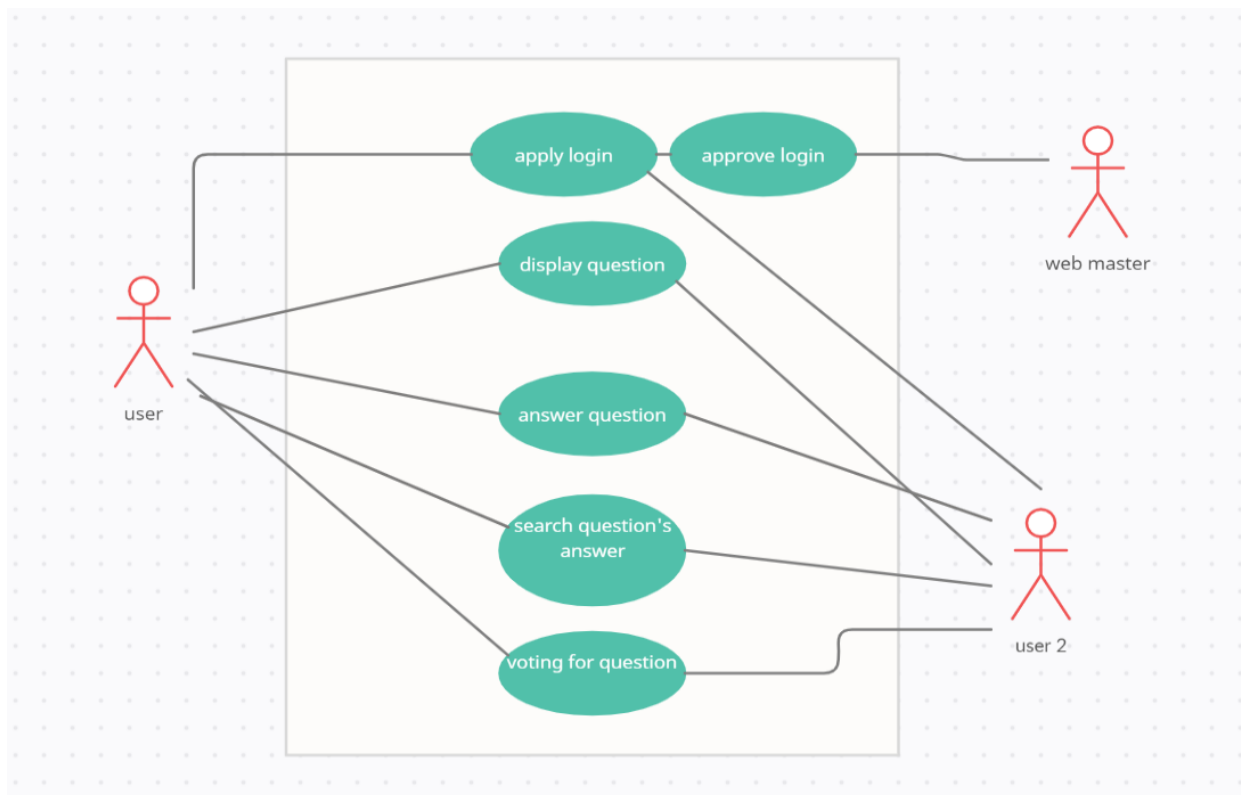
Website is responsive to the most basic of mobile and PC screens. It is Robust and is Re-usable. It is reliable and no prior knowledge is required to use the website.

6. User Story, Usecase diagram, Usecase Narrative

6.1 User Story

When your question is so specific and Google's results are so vague that you're left with even more questions. So the user needed this website as a solution. And as the user is a member of Charusat family, it needs it to specific for Charusat University, so Authentication should be handled on that basis. The user also need the voting feature to rate answers and order it the voted manner. The also need the comments section below the question asked and answers of it. Ans thus user should also be able to answer it if he has that knowledge. Also user can handle his/her profile after authentication and can see dashboard of his/her activity.

6.2 Usecase Diagram



6.3 Usecase Narrative

Usecase	Answer a Question
Actors	Charusat students , Charusat Faculties
Preconditions	User should be enrolled and logged in Stable internet connection Question should exist
Data	The User on visiting a Question can be able to answer by filling a Question form at the end of that Question's details section
Postconditions	User's profile section gets activity reflection and database has 1 answer added to that particular question

Usecase	Ask a Question
Actors	Charusat students , Charusat Faculties
Preconditions	User should be enrolled and logged in Stable internet connection
Data	Should fill the Question form in Ask Question page.
Postconditions	User's profile section gets activity reflection and database has 1 question

Usecase	Search a Question
Actors	Charusat students , Charusat Faculties
Preconditions	User should be enrolled and logged in Stable internet connection Question should exist
Data	On every page of website there is a search bar to search a question and get the answers answered by other users.
Postconditions	Question's Answer will be showcased in the order of votes availed to that question

Usecase	Upvote/Downvote a Answer
Actors	Charusat students , Charusat Faculties
Preconditions	User should be enrolled and logged in Stable internet connection Question should exist
Data	On searching a Question user will get many answers to it from many other users so he/she can upvote for satisfaction and downvote for dissatisfaction.
Postconditions	The votes will be counted and that Question's owner will be dedicated with that votes