Software Requirements Specification

Team Members:

Siddharth Jain
Prateek Sen

Team Mentors:

Miss. Pragati
Mr. Vinay Chanchlani

Date : 27/06/2018

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INTRODUCTION

Purpose

The purpose of this document is to present a detailed description of the Question And Answering System. It will explain the features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for User, Moderator and Admin of the system.

Scope Of Project

This software system will be a Question And Answering System for user. This system will be designed to share the knowledge by asking question and giving their respective answer.

More specifically, this system is designed to allow a user to manage and communicate with a group of user. The software will facilitate communication between authors, reviewers, and the editor via server and E-mail. The system also contains a relational database containing a list of Users, Moderator, Article and Admin.

Intended Audience

1. User.
2. Moderator.
3. Admin.

1. User

1.1 Can upload any post.

1.2 Can change password.

1.3 Can update self password/comment/post.

1.4 Can view all post/self post.

1.5 Can contact to moderator.

2. Moderator

2.1 Can create new account.

2.2 Can change self password.

2.3 Approve post & comments(question and answer).

3. Admin.

3.1 Can create a new account .

3.2 Can view(only)/update/delete account.

3.3 Can change self password.

3.4 Delete any question and its respective answer.

3.5 Can view history of all question and its answer which is posted in a month.

References

1. https://www.javatpoint.com
2. https://www.w3schools.com

3. https://www.tutorialspoint.com
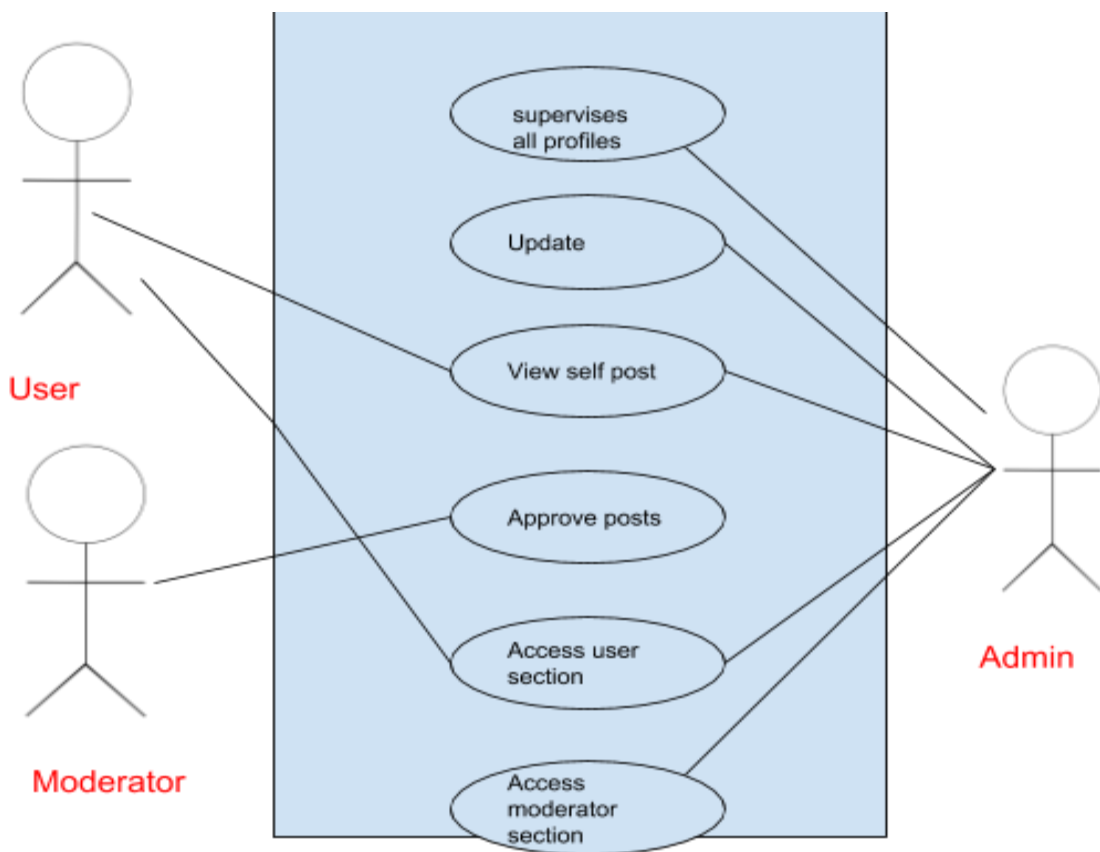
Overview

       The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

       The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

Overall Description

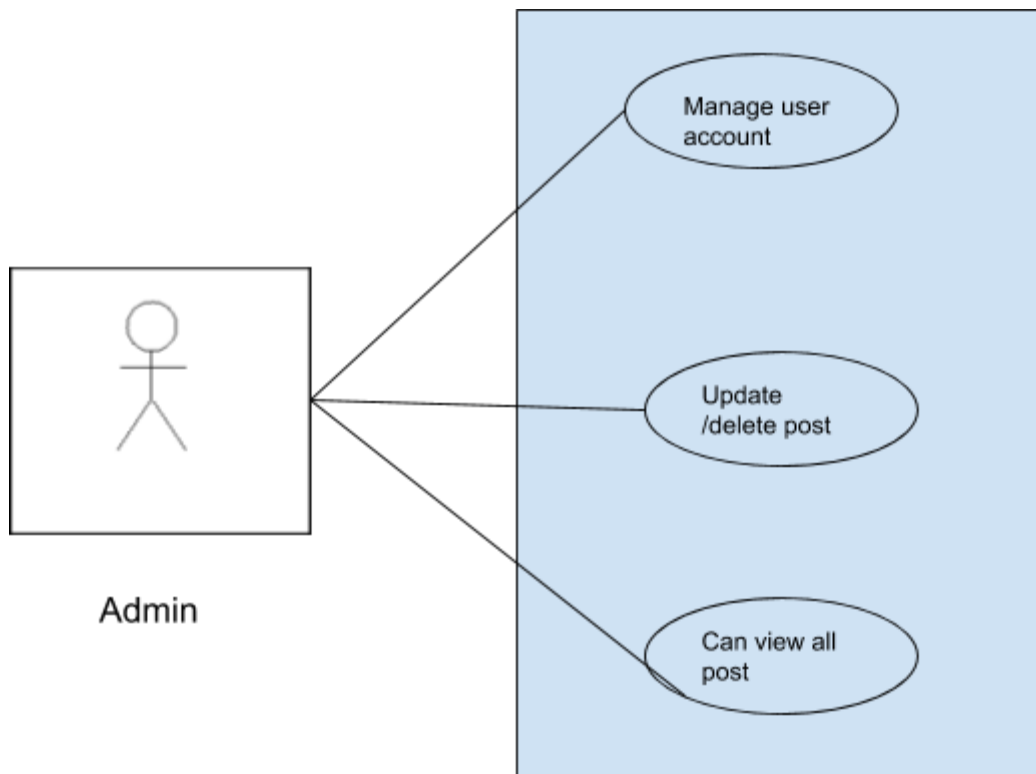The Question And Answering System has three active actors. User,Admin and moderator.

1. The admin can access entire system including user and moderator section.
2. User can access its own account and can ask question.
3. Moderator approves post.

Functional Requirements

This section outlines the use cases for each of the active actors separately.
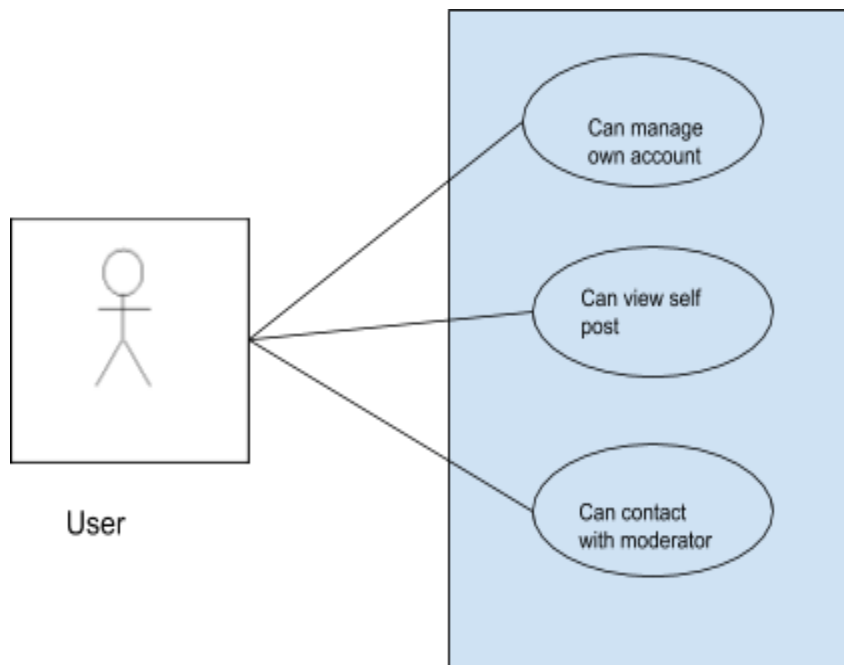
1. Admin

Brief Description

The admin can search/view the posts and update/delete users account.
  1 Can create a new account .
  2 Can update/delete account.
  3 Can change self password.

4 Delete any question and its respective answer.

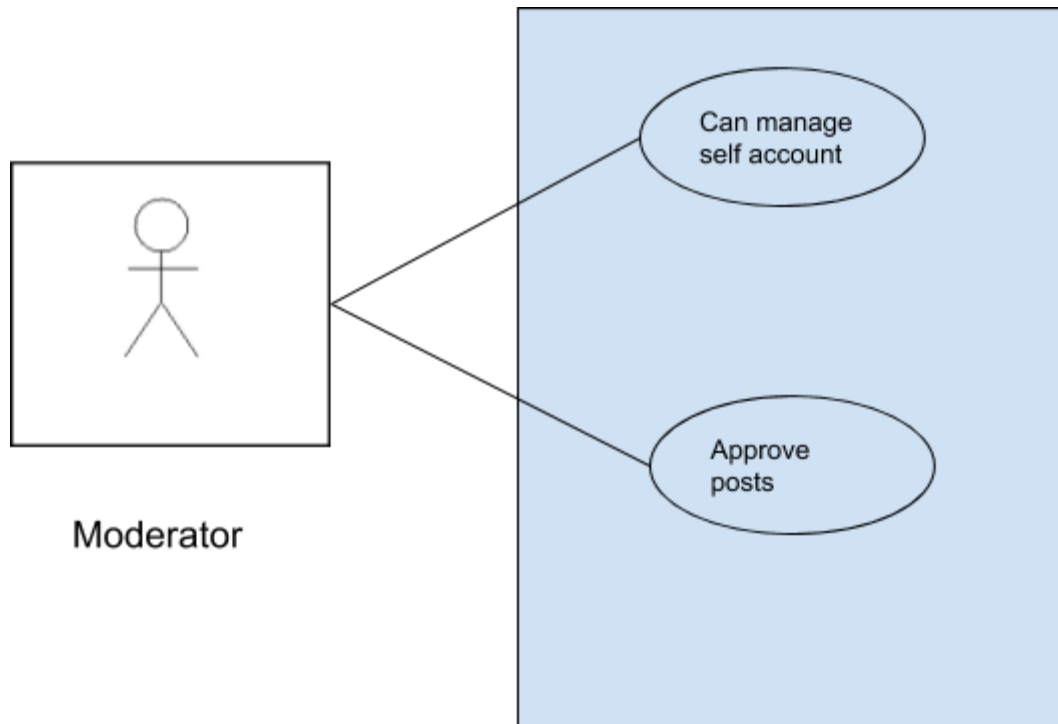5.Can search post via name and email.

User

User

Brief Description

1. Can upload any post.
2. Can change password.
3. Can update self password/comment/post.
4. Can view all post/self post.
5. Can contact to moderator.

Moderator

Moderator

Brief Description

1. Can create new account..
2. Can change self password.
3. Approve post & comments(question and answer).

2.3   User Characteristics.

The user, admin and moderator is expected to be Internet Literate and able to use search engine.

2.4   Non-Functional Requirements

This system will be on a server with moderate speed Internet capability The software developed here assumes the use of a tool such as Tomcat for connection between the Web pages and the database. The speed of the User's connection will depend on the hardware used rather than characteristics of this system.

External Interface Requirements

User Interfaces

Home

Admin

ID	Name	Mobile	Email	Delete
2	Sid	8112281713	sidj9900@yahoo.in	Delete
3	Siddharth Jain	1234567890	siddharthjain.cse19@jecrc.ac.in	Delete
4	Vikas	8058406306	Vikash1998@gmail.com	Delete
5	Abhishek	9413560426	Abhi1996@gmail.com	Delete
6	Somesh	9887878765	somesh@gmail.com	Delete
7	Kuldeep	8058444400	Kuldeep@gmail.com	Delete
8	Siddharth	21212112112	sid@gmail.com	Delete
9	Siddharth	24234234	sidj9900@gmail.com	Delete

Admin Section

Create a new post

View all posts

View self posts

Create New Account

Change password

Approve Post

Manage Accounts

Logout

Moderator

Name	Question	Date	Approve	Delete
Siddharth Jain	What is the most embarrassing moment in the history of cricket?	2018.06.29 04:01	Approve/Reject	Delete
Siddharth Jain	Who are some great Indians that most people have not heard of?	2018.06.29 03:59	Approve/Reject	Delete
Siddharth Jain	What?s the future of mechanical engineers in India?	2018.06.29 03:57	Approve/Reject	Delete

Moderator Section

Upload a new post

View all posts

View self posts

Change password

Approve Post

Logout

User

Database Tables

Article

email	articleid	subject	article		sub_date	approved	QLike	Q
sidj9900@gmail.com	14324	Automapper initialize for T type	public IEnumerable<T> Get...	244 b...	2018.06.27 04:18	0	1	
sidj9900@gmail.com	39796	Im removing Content Control from word doc with this code (posted on	MainDocumentPart mainPar...	772 b...	2018.06.27 04:16	1	0	
sidj9900@gmail.com	42534	mongodb BigInteger serialization	public abstract class Ric...	281 b...	2018.06.27 04:19	1	1	
sidj9900@gmail.com	71853	Missing operator in expression for Assembly code compiled with Visu	I am trying this code fro...	443 b...	2018.06.27 04:16	1	0	
sidj9900@gmail.com	83712	C# mongodb BigInteger serialization	public abstract class Ric...	316 b...	2018.06.27 04:19	1	0	
sidj9900@yahoo.in	21931	I want money attribute to be stored in mongo	I have the following obje...	348 b...	2018.06.27 04:23	0	0	

subject	article		sub_date	approved	QLike	QDislike	rejected
Automapper initialize for T type	public IEnumerable<T> Get...	244 b...	2018.06.27 04:18	0	1	0	1
Im removing Content Control from word doc with this code (posted on	MainDocumentPart mainPar...	772 b...	2018.06.27 04:16	1	0	0	0
mongodb BigInteger serialization	public abstract class Ric...	281 b...	2018.06.27 04:19	1	1	0	0
Missing operator in expression for Assembly code compiled with Visu	I am trying this code fro...	443 b...	2018.06.27 04:16	1	0	0	0
C# mongodb BigInteger serialization	public abstract class Ric...	316 b...	2018.06.27 04:19	1	0	0	0
I want money attribute to be stored in mongo	I have the following obje...	348 b...	2018.06.27 04:23	0	0	0	0
I want money attribute to be stored	I have the following obje...	348 b...	2018.06.27 04:23	0	1	1	0
C# mongodb BigInteger serialization	I have the following obje...	348 b...	2018.06.27 04:22	0	1	1	0
I want money attribute to be stored	I have the following obje...	348 b...	2018.06.27 04:23	1	2	2	0
(NULL)	(NULL)	0 Kb...	(NULL)	(NULL)	(NULL)	(NULL)	(NULL)

Comment

email	articleid	commentid	comment		date
sidj9900@gmail.com	42534	sid42658	public abstract class Ri...	89 b...	Wed Jun 27 16:21:36 IST 2018
sidj9900@gmail.com	42534	sid37928	public abstract class Ri...	89 b...	Wed Jun 27 16:21:39 IST 2018
sidj9900@yahoo.in	57751	sid64875	x	1 b...	Wed Jun 27 16:25:16 IST 2018
sidj9900@yahoo.in	81939	sid11156	s	1 b...	Wed Jun 27 16:29:14 IST 2018
siddharthjain.cse19@jecrc.ac.in	81939	sid11886	s	1 b...	Wed Jun 27 16:33:58 IST 2018
siddharthjain.cse19@jecrc.ac.in	81939	sid58419	s	1 b...	Wed Jun 27 16:36:01 IST 2018
siddharthjain.cse19@jecrc.ac.in	81939	sid41996	s	1 b...	Wed Jun 27 16:38:04 IST 2018
siddharthjain.cse19@jecrc.ac.in	81939	sid28725	s	1 b...	Wed Jun 27 16:38:08 IST 2018
* (NULL)	(NULL)	(NULL)	(NULL)	0 Kb...	(NULL)

Login

email	password	usertype
siddharthjain.cse19@jecrc.ac.in	sid1234	User
sidj9900@gmail.com	sid1234	Admin
sidj9900@yahoo.in	sid1234	Moderator
* (NULL)	(NULL)	(NULL)

Registration

id	name	mobile	email
1	Siddharth Jain	123456789	sidj9900@gmail.com
2	Sid	8112281713	sidj9900@yahoo.in
3	Siddharth Jain	1234567890	siddharthjain.cse19@jecrc.ac.in

Usertypes

id	name
1	Moderator
2	User

Qlike

	email	articleid
☐	sidj9900@gmail.com	42534
☐	sidj9900@yahoo.in	57751
☐	sidj9900@yahoo.in	81377
☐	sidj9900@yahoo.in	14324

Qdislike

	email	articleid
☐	sidj9900@yahoo.in	57751
☐	sidj9900@yahoo.in	81377
☐	sidj9900@yahoo.in	81939
☐	siddharthjain.cse19@jecrc.ac.in	81939

Modules

1. Login Form(html & jsp)
2. Registration Form(html & jsp).
3. Header, Footer (jsp).
4. User(html & jsp).
5. Moderator(html & jsp).

6. Admin(html & jsp).
7. My Question(jsp).
8. My answer(jsp).
9. Posts(jsp).

Software Interfaces

1. JSP.
2. HTML, CSS and JAVASCRIPT.
3. MySql(Database).
4. Apache Tomcat(server).
5. IDE/Software to be used :
     Notepad++, Sqlyog, Macromedia Dreamweaver.

Hardware Interfaces

Since the web project must run over the internet, all the hardware are required to establish internet connection. As for e.g. Modem, WAN – LAN, Ethernet Cross-Cable.

Communication Interfaces

1. Web Browser:

    Google chrome

2. Network Server

    Apache Tomcat Server 8.0

3. HTTP Port   : 3306

Entity Relationship diagram