High Level Design Document

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 26/09/2015 | 1.0 | Initial Version | Chandrima Chattaraj |

# Overview

This document provides a high level design for initial version implementation of the web application which will let a new user sign up, fill his/her various details and help him to ask queries to people related to same interest and somewhat proficient on the particular topic.

# System Requirements

## 2.1. Expected Behavior

1. User whoever first visits the app, needs to create a profile of his own, thus signs up into the application filling a form with basic details.
2. After creation of the profile, user is redirected to the login page, and logs into the app for the first time with user ID and password.
3. User is redirected to an empty dashboard, and he cannot post any query as his domain of interest is yet to be filled.
4. User needs to go to his personal details section and has to fill details of interested fields, his experience in that particular topic, vote himself/herself according to the his/her proficiency.
5. User can choose as many as sections they are interested in, and raise queries based on any of those sections. After this, the user turns into a member of the domain of his interests.
6. Members of the domains will voted based on the answers or solutions they provide to the queries asked by other members.
7. On navigating to the Dashboard, members can query on any of their selected domains and migrate to the corresponding page on search.
8. After entering the query into the given area, they need to choose whether they need expert advice or submit the query to the defaulted list of interested members of that domain.
9. On selecting expert’s advice, they can choose experts having votes only as same as their personal vote or higher.
10. On submitting the query, a notification gets triggered for all the members who are targeted to answer the query by the submitter.
11. Also a notification will hit a member, if any of the member has responded to the query the former has been tagged to.

## 2.2. Software Requirements

1. **IDE** – Eclipse
2. **Database –** MySQL
3. **GitHub setup**

## 2.3. Languages To be Used

## Front End

1. HTML/CSS (Scripting)
2. Ajax - Combination of XMLHttpRequest object (to exchange data asynchronously with a server) JavaScript/DOM (to display/interact with the information) CSS (to style the data))
3. JavaScript ( For Validation)

## Business Logic

1. Java with *Spring/Struts* Framework (Mainly for Dependency Injection) with *Apache* server

2. Java Server Pages (JSP)

3. Web Services

1. XML

# Data Model

# 1. User [User\_Id, User\_name Password, Email\_address, Phone\_number]

# 2. Member [User\_id, Domain\_id, Member\_id etc.]