**Project**

1. This project has to be done in groups of atmost 4.
2. There is no constraint on which tools or programming language you use. We are only interested in the end-product that you deliver. You should design your application in such a way that it is user friendly, has good performance, and is secure.
3. Please don’t use any existing CQA software. You need to develop it yourself.

**Overview**

develop a Community Question Answer (CQA) website use a CQA dataset from StackExchange archive. Download the Software Engineering dataset. For converting the XML files into csv you may use this link. You can also see a sample SQL schema here.

Some useful links

* ●  W3Schools
* ●  Java Servlets (Java)
* ●  Java Spring Framework
* ●  Django Framework (Python)
* ●  Django Tutorial
* ●  Django Autocomplete

**Main features:**

1. **Login** - Create an account for each user with their default password being the same as their username. Users should be able to login to the system using username and password. Allow new users to create accounts. Use cookie to provide session to authenticated users. You can let the cookie be stored permanently. Demonstrate that after the user removes the cookie, the user is logged out of the system.
2. **Autocompletion Search** - Support search of tag name and user display name using autocompletion. While showing the result, list both the name and id for tags and users.
3. **Search Posts** - Support the following three post search functionalities:
   1. Search by user id - Given a user id list all the posts of the users. Allow sort by time, upvotes.
   2. Search by single tag - Given a tag, list all the posts containing that tag. Allow sort by time, upvotes.
   3. Search by multiple tags - Given more than one tag, list all the posts containing all the given tags. Allow sort by time, upvotes.
4. **Create Posts** - A user can create a post and assign tags to them. The tags have to be one of the existing tags only. It would be useful if the user can be helped with the tagging process through autocompletion.
5. **Answer to Posts** - A user can search for posts and give answers. The interface should show the posted question and all the answers.
6. **Edit Posts**: A logged in user should be able to see all the posts the user has written. The user should be able to update the content/tags of their own post or even delete them.

These are the main features the implementation also has many other features.