

Assignment - 2

For this assignment, you will have to create a web-based survey system using **Ruby on Rails**.

Users will first have to register themselves in order to take the survey. Basic details must include name, email, username, password and profile picture. Feel free to include other details if you feel that they are necessary. After doing so, he/she will have to log in.

There must be an admin account who will upload the questions for the surveys. He/she can modify/delete previous questions and view all the responses. The admin can also perform CRUD operations on the user profiles.

A survey consists of multiple types of questions. A question can be of three types:

- MCQ with single answer
- MCQ with multiple answers
- Free text box for answer

After logging in, the user must have an option to:

- Take survey created by the admin.
- View his previous survey's answers.
- Edit/Delete his/her profile

There are two categories of surveys. One is active which the user hasn't yet taken and the other is inactive which the user has already taken. You need to properly differentiate the types on the home screen (The screen which appears after the user is logged in). Once the user takes a survey, he/she cannot retake the survey unless there are changes made to it by the admin. The user needs to get notified of any changes (updatation/deletion) in the questions of the previous surveys so that they can re-take the survey (You just have to move it from inactive to active). Also when a new survey is added, all the users should be notified about the new survey.

Marking Scheme

- Admin
 - CRUD on surveys 10 marks
 - CRUD on users 10 marks
 - Viewing all responses 10 marks
 - Users
 - Sign up 5 marks
 - CRUD on own profile 5 marks
 - Survey System
 - Showing all active and inactive surveys 10 marks
 - Different types of questions:
 - MCQ's with single answer 10 marks
 - MCQ's with multiple answer 10 marks
 - Free text box 10 marks
 - User Interface 20 marks
- Total: 100 marks**

Bonus Marks will be given for extra features

1. Enabling login via social media like facebook / google / twitter 10 marks
2. Generate a graph of the response data (You can use APIs for this) 30 marks

Caution: Scaffolding is not permitted. Don't try to embed any types of survey providers (e.g., Google Forms, Wufoo etc..) in your application. You are free to use any other technologies/APIs.