

# **SSAD - Assignment-2 (Ruby on Rails)**

## **State-Restoring Quiz Game**

**Total Marks: 100 (Basic) + 30(Bonus) = 130 marks**

For this assignment you have to make a web based State Restoring Quiz Game using the popular web framework Ruby On Rails.

### **What is State-Restoring?**

“State-restoring” means that a person should be able to pause the game at any given moment of time and continue from the point he/she left the game. Even when the app is closed and opened again the person should have an option of continuing the quiz or start a new quiz.

### **What all do you need to implement?**

- **Requirements (Basic) (100 marks)**
  - Registration and Login for **Users. (10 marks)**
  - Login for **Admins. (10 marks)**
  - There should be **multiple genres of quizzes available (minimum 2)**
    - Eg: **Genre : Sports and Movies (10 marks)**
    - **Within a genre** there should be minimum two sub-genre. Eg: In sports you can have cricket and football as sub-genre. **(10 marks)**
  - There should be **minimum two kinds of question type :**
    - Multiple choice Single Correct
    - Multiple choice Multiple Correct **(20 marks)**
  - There should be a **leaderboard for the users** in each genre and each sub-genre. **(10 marks)**
  - The **admin** should have a separate page with access to all the questions and leaderboard data. Also the data of users. **(CRUD for admin) (10 marks)**
  - The **users** should have an option of viewing which quizzes they have attempted/not-attempted and the respective scores in each quiz. **(CRUD for User) (10 marks)**
  - **User Interface** of the game. **(10 marks)**

- **Requirements (Bonus) (30 marks)**

- **Login through any one of the social media (Facebook, Google+, twitter etc. ) handles (5 marks)**
- **Different kinds of question types like :** 1) Identify the object/person from the given image , 2) Identify person from voice clip . You can take inspiration from real quiz games **(10 marks)**
- **Concept of “power-up” or “life-lines” (KBC :P) (minimum 2) . Eg:** “50-50” lifeline deletes two incorrect options. **(10 marks)**
- **Analysis of Player’s performance** using google analytics graphs. This should be given to the user once quiz is complete. **(5 marks)**

- **Instructions**

- You are allowed to use RubyOnRails gems and other APIs. You can use scaffolding.
- **Submission format :** RollNo\_Assignment2.zip
- In case of any plagiarism , you will be given straight zero without any questions asked.
- Do not try to delete the ROR Logs , those would be checked and any discrepancy would result in reduction of marks.