

SSAD Assignment 2

Deadline: Sep 7, 2014, 11:59 PM

For this assignment, you will have to create a web-based game using *Ruby on Rails*. The game essentially involves matching a given picture with words that describe the object in the picture via a text based input.

Users will have first have to register themselves in order to play the game. Basic details must include name, email ID, username and password. 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 new photos and the words associated with those photos. He can also modify/delete previous entries of photos. The admin can also perform CRUD operations on the player profiles.

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

- Start a new game
- View his previous scores in the game
- View the leaderboard which will have the top 10 high scores in the game
- Edit/Delete his/her profile

Gameplay

Each user will be presented with a bunch of photos (4-5) and will have to input a word that describes the object in the photos. The photos must be chosen randomly from the set of photos uploaded by the admin. The guesses that the user makes for a photo must match the word that the admin has tagged the photos with.

The user has 3 attempts per photo to get it right. If he guesses it correctly, he is awarded 3 points and is taken to the next photo and is given 3 attempts for that photo. If the guess is wrong, then 1 point is deducted from his score and one attempt is over (JEE style scoring +3,-1). The game is over when the user uses all his 3 attempts but doesn't guess the picture correctly.

For help you can visit: <http://4pics1word-answers.com/>

Once the game is over, the user must have an option of sending an email to his friends with a message that says he/she has scored x points in this game and challenges you to beat his score. Exact wording of the email is upto you but it should basically convey the above message.

Marking Scheme:

- Admin
 - CRUD on photos 10 marks
 - CRUD on users 10 marks
- Users
 - Sign up 5 marks
 - CRUD on own profile 5 marks
- Gameplay
 - Selecting photos randomly 10 marks
 - Leaderboard (High scores) 10 marks
 - Sending invites/challenges via email 10 marks
 - Scoring correctness
 - 3 attempts 5 marks
 - +3 points for correct answer 5 marks
 - -1 point for wrong answer 5 marks
- User Interface 25 marks

TOTAL: 100 marks

Bonus Marks will be given for extra features

1. Levels with different time limits 15 marks
2. Enabling login via social media like facebook/google+/twitter etc. 20 marks
3. Sharing scores on social media like facebook/google+/twitter etc. 15 marks

Upload Format: TBA