TrivalTrivia Requirements

By: Uttam Bhattarai | Laxmi Poudel

# Backend

## Functional Requirements

* + Multiple Users
    - Admin
      * Unique username / Password
      * Can add/remove questions. Can make permanent changes. Can make changes to categories.
      * Can import/export Questions (CSV/JSON/XML)
    - Player
      * Can Play but cannot change anything and the score is saved. Can pick questions from multiple categories.
      * Can import/export player data (CSV/JSON/XML)
      * Unique Username / Password
    - Guest
      * Can Play but cannot change anything and the score is not saved.
      * Can create a username and password to become a player.
  + Score Tracker
    - Add points
      * If a user gets a question right, 10pts gets added to the user score.
    - Remove points
      * If a user gets a question wrong 10pts gets deducted from the score. If their score is 0 no points get deducted.
  + Questions
    - Add
    - Remove
    - Edit
  + User Info
    - Unique Username
    - Stats
      * Past game wins and losses
  + Menu
    - Play
      * Categories
    - View User Info
      * Shows stats (wins and losses)
    - Settings
      * Change username
      * Change password
  + Login
    - Enter username / Password
    - Both player and admin
    - Continue as guest

## Nonfunctional Requirements

* + Types of games (When clicked play)
    - Marathon
      * Whoever max point wins (100pt)
    - Number of questions
      * The users get to pick the number of questions they want to answer and whoever answers the most questions correctly wins
    - Timed
      * Has the option to select between (2min - 4min - 5min) game sessions. Whoever gets the most questions answered during that time period wins.
  + Player admin
    - Create Game Room
      * Select categories for game type
      * Invite/kick players
      * Game rules
  + Forgot password
    - A user can forget the password to reset it.
    - Users have to answer a few questions to reset the password.

Menu

First menu

1. Login
2. Create account
3. Continue as guest

Second menu

1. Play
2. View Stat
3. Add Questions
4. Import User Data
5. Import
6. Export questions

Sequence diagram’s

**Need To Do**

* **View stat**
* **Add Questions**

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## Functional Requirements

## Nonfunctional Requirements