

# Team 11

**Sprint #1 Product Owner:** Wei-ling Chang (weilingc)

## **Product Backlog:**

1. User information:
  - a. login: login to their personal account
  - b. register: register for an account
  - c. create/modify bio: create and modify user's bio information
  - d. upload picture: upload or modify user's bio picture
2. Game:
  - a. create room: user is able to create a new room and start a new game, The room will indicate the game type and how many people to attend.
  - b. join room: user is able to join a new room and attend the game.
  - c. start game: The owner of this room can start a game.
  - d. quit game: users can choose to quit the room before the game ends.
  - e. end game: The owner of this room can end a game.
  - f. chat/comment: Users in a certain room can chat or make comments during the game
  - g. generate vocabulary: The generator will randomly generate a item to draw
  - h. guess the answer: Users will type their guesses in a text box to earn score.
  - i. timer: There will be a counting down timer to display the time remaining for drawing picture. If no one gets the answer before the time's up, the drawer's score would get deducted.
3. Picture:
  - a. drawing history (drawing files): The history of drawings of each users would be listed on their profile pages.
  - b. real-time drawing (Web socket): Every stroke will be updated on every user's screen
  - c. download picture: The users can download their own/others drawings.
4. Score:
  - a. assign score: Assign a score to the user when he gets the right answer, scores are based on the time the user spent to get the answer. For example: If the user gets the right answer in 30sec - 1min, he will get 5 points. If the user gets the right answer in 1min - 2min, he will get 3 points
  - b. scoreboard: A scoreboard will be displayed on the home page
5. User Interface

- a. Home Page
- b. Login Page
- c. Register Page
- d. Individual Game Page
- e. Profile Page
- f. Tutorial Page

### **Sprint #1 Backlog:**

Name	Responsible functionality
Allen Chao	Profile Page and Tutorial Page with its corresponding function
Wei-ling Chang	Home Page with its corresponding function
Yu-An Chen	Login Page, Register Page, Base template with its corresponding function

1. User Interface:
  - a. Login Page
  - b. Base template
  - c. Register Page
  - d. Profile Page
  - e. Tutorial Page
  - f. Home Page
2. User information:
  - a. login: login to their personal account
  - b. register: register for an account
  - c. create/modify bio: create and modify user's bio information
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### **Data Models:**

1. Room
  - a. room name
  - b. game type
  - c. maximum players number
2. Profile
  - a. User(first name, last name, username)
  - b. Bio
  - c. Profile picture

3. Player
  - a. Room ID
  - b. userID
4. Chat
  - a. Room ID
  - b. userID
  - c. text
  - d. time
5. Picture
  - a. userID
  - b. filename

