Project Proposal

Project name: Draw Something

Description: Draw Something is a **two-player** web game. After user ~~can register and login and add friends~~, **he can either create a new room, join an existing room to play the game or goes back to unfinished game.** ~~One can start a game by inviting one of his friends.~~ **During the game, drawer draws picture based on provided keyword, guesser guesses the word based on drawer's picture.** ~~Two players take turns drawing a picture to convey the guess word for his/her partner to guess.~~ If the user guesses correctly **before time runs out**, both the drawer and the guesser earn a point. **If time runs out, the game ends.**
~~In the home page, the total points of current user can be displayed.~~ **User can see his point and rank from home and rank page.**

Technology: HTML5, CSS, JavaScript, Django Channels, **HTML5 Canvas**

Team member: Tianqi zhao(tianqiz)   Yingwen Zhang(yingwenz)

Functionality

Account control:

Responsible person: tianqiz & yingwenz

Register: User can register a new account in register page.

Login: User can login to registered account in login page.

Logout: User can logout the current account.

Home: After User login, he goes to the home page. If his status is in game, (i.e. he has unfinished game.), it prompts a message that he can go back to the game.

User profile: user can see his username and point in home page.

Functionalities for room page:

Responsible person: yingwenz

Search_room: User can search the game room by room name.

Create_room: User can create a new game room with specified unique room name.

The room creator becomes the owner of the room.

Join_room: User can join an existed game room that only contains one player.

Exit_room: User can exit the game room.

If the last player exits the room, the room object is deleted.

If the room owner exits, the other user becomes the owner of the room.

Functionalities for game page:

Responsible person: tianqiz

Resore_game: If user has unfinished game, he can restore the game by clicking the "go back" button in the prompt box in home page.

Start_game: When the room contains two players and the room owner clicks "start game" button, both drawer and guesser go to game page.

End_game: If the time runs out or guesser inputs the correct answer, the game ends and both players go back to room page.

Draw_something: Drawer can draw picture based on provided keyword and guesser can see the picture in real-time.

Make_guess: Guesser can submit an answer and check the correctness of the answer. Drawer can see guesser's answer.

Timer_display: Two players can see 30 seconds countdown timer.

Functionalities for rank page:

Responsible person: tianqiz

Rank: User can see his point, rank and top 50 players in rank page.