San Francisco State University
CSC 667 Spring 2017

Term Project
Milestone 1: Web Application Concept and Wireframes

GitHub Repository:
https://github.com/SFSU-CSC-667/term-project-spring-2017-ivm

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I. Wireframe

1. Logged-Out Landing Page / User Login Page

The User Login Page/Logged-Out Landing Page provides a menu for logging in, registering as a user and for recovering a user account's password. The user logs in by entering a username and password and clicking on the submit button. The user can recover a forgotten password by clicking on the "Forgot Password?" link, which takes the user to a separate page (the "Forgot Password" Page) that allows the user to recover the forgotten password by providing the user account's email. The registration link in the menu takes the user to the Registration Page which provides a form for the user to create an account.The User Login Page/Logged-Out Landing Page is the page the user will be directed to when the user first visits the site and when the user logs out.

The navigation bar on each page of the application consists of buttons directing the user to certain pages of the application.

2. Registration Page

TANK CITY

Home

New User Registration
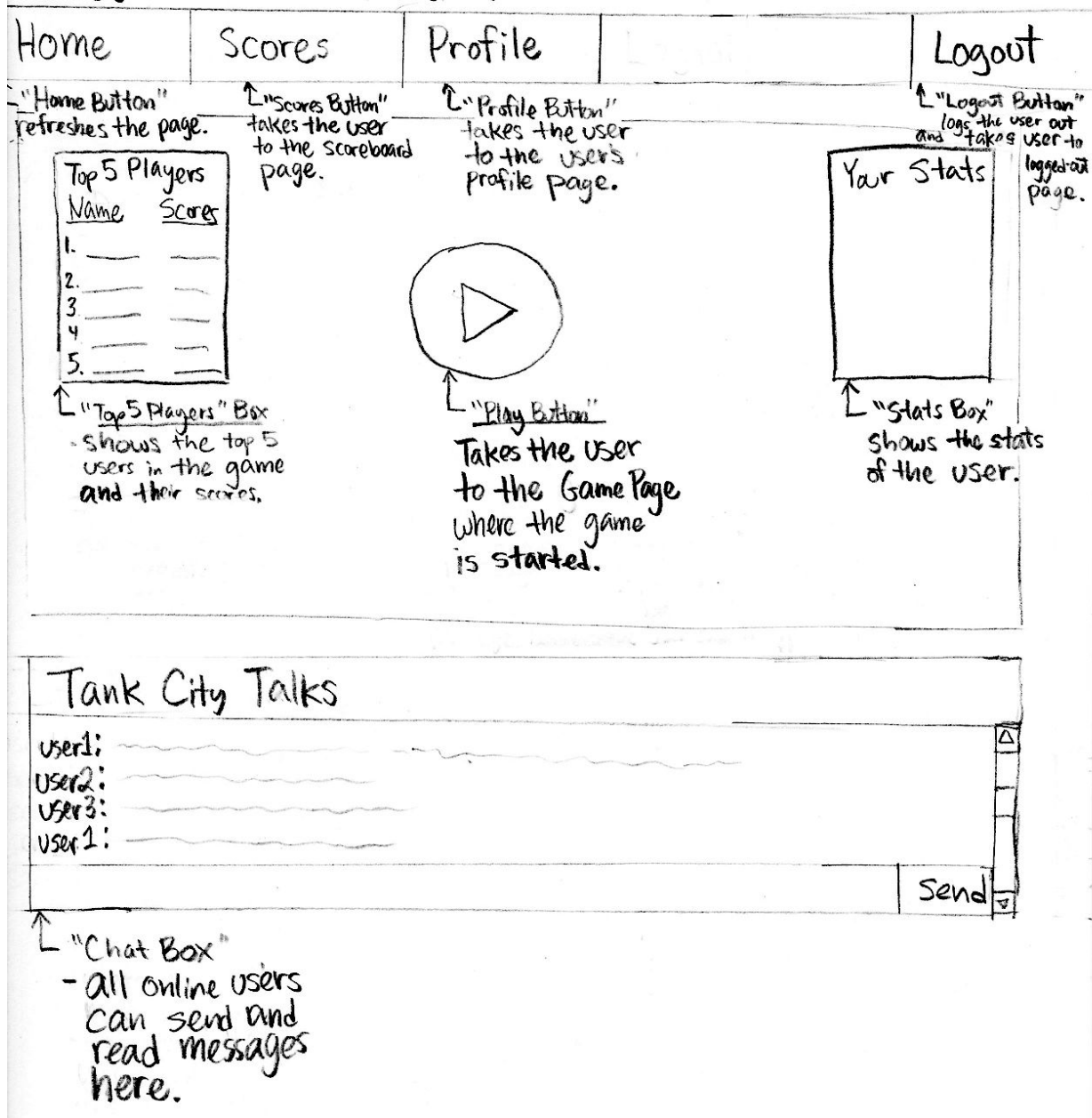
Required Fields
- Name *
- E-mail *
- username *
- Password *

Register

Upon successful registration, takes user back to Logged-In Landing Page

The registration page has text-fields for the user's first name, last name, desired username, email and password, which are respectively placed on top of one another on the page. The submit button on the bottom of the page simply activates a user account associated with the values given in these text-fields. If a value is invalid, then the page will alert the user that the invalid value must be changed before the user can submit and activate the account. Users who plan not to proceed with the registration can simply click on the "Home" button on the navigation bar, which again, takes the user back to the User Login Page.

3. Logged-In Landing Page

The user is taken to the Logged-In Landing Page after entering a valid username and password in the User Login Page. The Logged-In Landing Page displays the top 5 users having the highest scores in the game, the stats of the user, a chat room (Tank City Talks) where all online players can send and read messages, and a play button, which takes the user to the Game Page when clicked.

4. Forgot Password? Page

Home

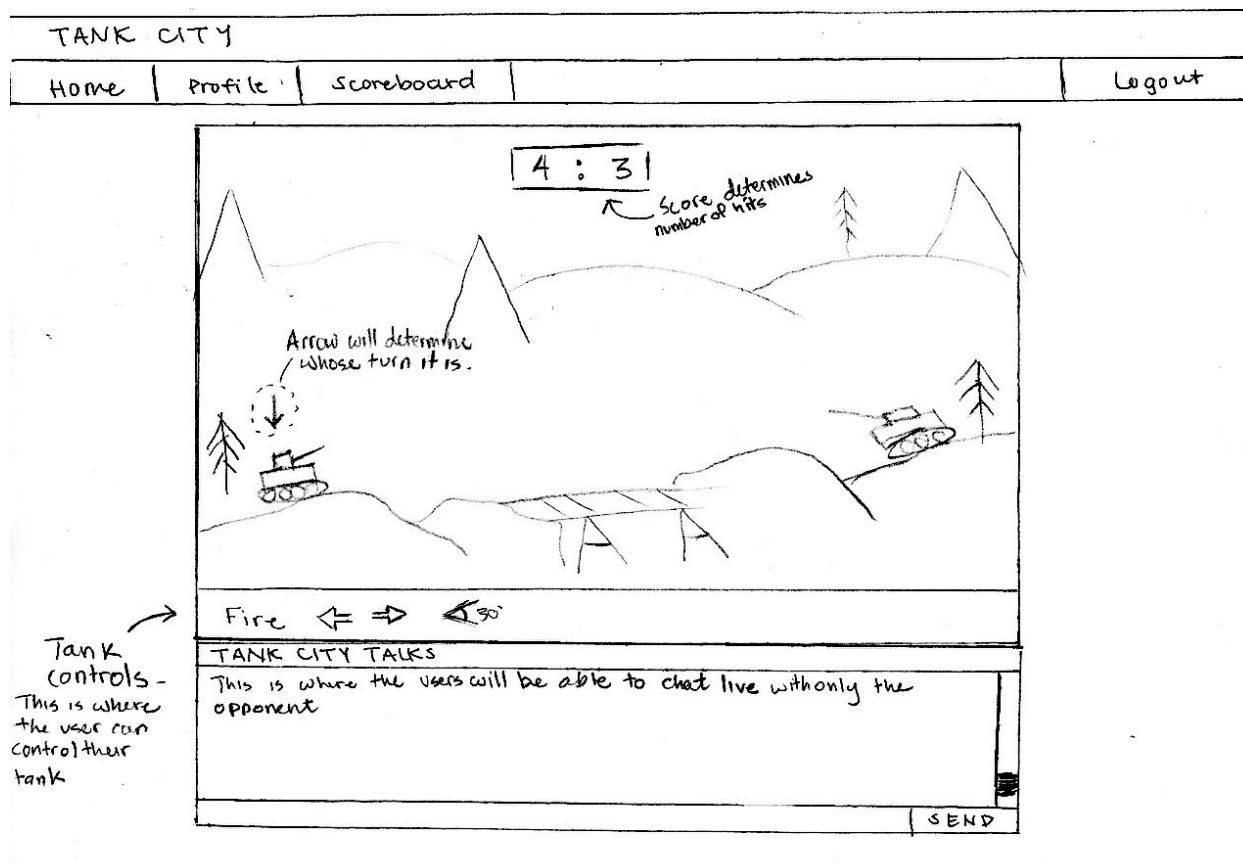Enter your E-mail and we will reset your password.

*Email: [   ] (Submit)

Upon submitting, if the e-mail exists within the user database, an e-mail containing a link for resetting the user's password will be sent to the provided address.

The user can access the "Forgot Password?" Page by clicking the Forgot Password? link on the Logged-Out Landing Page. An e-mail is required in order to invoke resetting the password for the user tied to that e-mail. If the e-mail is found, the current user will see a pop-up message stating that the reset e-mail was sent to the specified address.
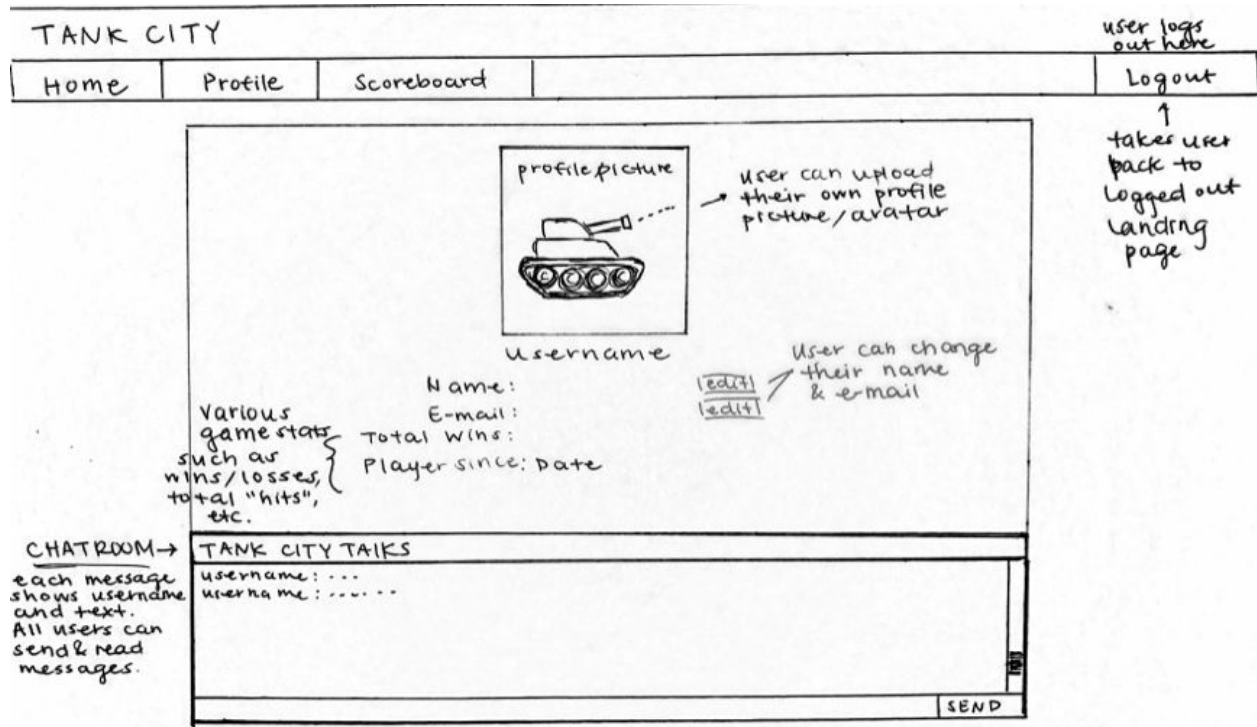
5. Game Page

The contents in the Game Page have a similar placement as those found in the Logged out page. The game content will be at the center of the screen focused solely on the game play. The game will have a background theme in which the tank wars will take location. Each game will have a maximum time and so will each turn. The scores is displayed in the center at the top of the game page. This will show the number of times each user has hit the opponent. Ultimately this will determine the winner at the end of each round. This is a turn-based game so each user gets to fire 1 time per round.

There is a bar at the bottom of the game play page, which are the controls for the tank. Some of the controls that will be displayed will be arrows that will enable the user's tank to move by X units on button click, the fire button, and the angle that the tank should shoot at. There will also be a button that will let the user choose how much power to apply to the shot.

Below the action controls is the chat box where the user and the opponent of that user is displayed; note that only the user and the opponent can send and read messages on this chat box.

6. User Profile Page

The User Profile Page can be accessed from the navigation bar at the top. It contains the user's username, (optional) profile picture, and recent scores. The user can edit their name and e-mail. Game stats such as number of wins, number of matches played, etc. can also be viewed here.

The Chatroom (Tank City Talks) is also fully accessible as a section below the profile module. The user can send and view messages that are available to all current online users.

7. Scoreboard Page

Home	Scores	Profile		Logout

↳ Takes the user to Login Landing Page.   ↳ Refreshes the page.   ↳ Takes the user to the user's profile page.   ↳ Logs the user out, and takes the user to Logout Page.

High Scores

	Users	Wins
1.	User1	100
2.	User2	94
3.	User3	90
4.	User4	81
5.	User5	72

← Shows the users and their win totals. The topmost users have higher win totals than users in the lower parts of the list.

Tank City Talks

User1: ~~~~~~
User2: ~~~~~~
User3: ~~~~~
User4: ~~~~~

△

▽ Send

↳ All online users can send and read messages on this chatbox.

The Scoreboard Page displays a list of users having the highest scores in the game, as well as the users' win totals. The scores of each users is determined by their win totals. The same

Chatroom found in the Logged-In Landing Page is displayed below the list of users having the highest scores.