Product Backlog

Team 8

Team Members: David Carr, Shivan Desai, Reid Kippenbrock, Laura Kristie, Paul Krivacka

Problem Statement

HƐ>LO WORLD is a dating app focused on matching computer science students and professionals based on all the normal dating app preferences, but also including the coding preferences of the users.

Background Information

It's a lonely world, especially for those of us stuck in our dorm rooms bug fixing and testing all day long. If only there was a website tailored specifically to pairing Computer Scientists to their perfect companions. Our goal with our project is to make a dating web application for computer scientists. Other popular web applications tend to use only common interests in order to match users. For our application, we'll be using this information as well with an extra twist: Students will also be matched based on their coding preferences!

Environment

We will be using React and Bootstrap for our front end development framework. We will utilize Node.JS and Firebase to manage the backend. Firebase will also be used as our primary database for storing user data. Our React App will be written in the JSX programming language, which at its core is Javascript. Our Node.JS backend will also be written in Javascript. Source control will be handled through a GitHub repository.

Functional Requirements

Backlog Id	Functional Requirements	Hours	Status
1	As a user I would like to create a HƐ>LO WORLD account.	4 hours	Planned for Sprint 1
2	As a user I would like to login and logout of my HƐ>LO WORLD account.	2 hours	Planned for Sprint 1
3	As a user, I would like to fill out a personality questionnaire.	5 hours	Planned for Sprint 1

4	As a user, I would like to fill out a fun coding questionnaire.	5 hours	Planned for Sprint 1
5	As a user, I would like to be able to edit my questionnaire answers and update my profile.	4 hours	
6	As a user, I would like to be able to upload pictures of myself and my interests to show on my profile.	5 hours	
7	As a user, I would like to be able to set/change my name, profile description, and preferences on my account.	3 hours	Planned for Sprint 1
8	As a user, I would like to be matched with people who have similar personalities to my own.	4 hours	Planned for Sprint 1
9	As a user, I would like to view my potential matches and our match compatibility score.	4 hours	Planned for Sprint 1
10	As a user, I would like to "like" other accounts to display my interest in getting to know them.	3 hours	
11	As a user, I would like to be able to chat with users I've been matched with.	8 hours	
12	As a user, I would like to view others who have matched with me.	4 hours	
13	As a user, I would like to receive notifications for when I receive a new chat message.	4 hours	
14	As a user, I would like to be able to "unlike" someone if they are not right for me.	3 hours	

Non-Functional Requirements

Backlog ID	Non-Functional Requirements
1	As a developer, I would like multiple users to use HƐ>LO WORLD at the same time.
2	As a user, I would like a clean, easy-to-use web interface.
3	As a user, I would like to have a secure login process.
4	As a user, I would like to have my account information to be kept private.

5	As a user, I would like to HƐ>LO WORLD to work on all browsers.
6	As a user, I would like to have my chat messages to be kept private.

Use Cases

Case: **User wants to match with another user**

ACTION	SYSTEM RESPONSE
1.User requests a list of compatible Users	2. If User has completed the matching compatibility questionnaire, then go to step 4, else show questionnaire web form
3. User sends completed Questionnaire form	4. Compare User's questionnaire data to other Users and send a list of compatible users
5. User views list of compatible users and chooses whether they want to "like" any of the other users	6. If two users both 'like' each other, then communication details as specified by the user will become visible to both of the matched Users.
7. User continues to look at other users on the compatible list.	

Case: **User wants to remove communications with other users**

ACTION	SYSTEM RESPONSE
1.User goes to list of matches users	2. Return list of Users the the current user has been matches with.
3. User Selects a user from the list and unlikes them	4. The selected user is removed from the list of current matches and communications are hidden between both users

Case: **User wants to create an account**

ACTION	SYSTEM RESPONSE
1. User navigates to create account page.	2. User is given an account creation page.
3. User fills out page with a selected username and password.	4. Make sure username and password is valid, then respond with either successfully created

	account or error. This will also redirect to the login page.
5. User fixes error with username or password, or can login with their account.	

Case: User wants to update/input account information.

ACTION	SYSTEM RESPONSE
1. User navigates to settings page.	2. Settings page is displayed to the user.
3. User changes relevant information (name, profile description, sexual orientation, etc.) and clicks the 'Save' button.	4. Update the user's data and return a success message.
5. User navigates to questionnaire response page	6. Display the User's answers to the questionnaire and give option to change answers.
7. User changes answers and clicks save.	8. User information is changed in database.

Case: User wants to change their profile picture.

ACTION	SYSTEM RESPONSE
1. User navigates to their profile page.	2. Profile page is displayed to the user.
3. User clicks the 'update profile picture' button.	4. A upload file window appears allowing the user to choose and upload a picture from their computer.
5. User clicks the 'upload' button.	6. The window closes and the new uploaded profile picture is displayed.

Case: User wants to view their matches.

ACTION	SYSTEM RESPONSE
1.User navigates to the mutually matched page.	2.The mutually matched page is displayed to the user. The user sees a list of their mutual matches and their compatibility score for each match, with the option to chat with them.

Case: User wants to send a message to one of their matches.

ACTION	SYSTEM RESPONSE
1. User navigates to their matches page.	2. The matches page is displayed to the user.

ACTION	SYSTEM RESPONSE
3. User chooses one of their matches and clicks the 'chat' button.	4. The chat dialog box appears to the user.
5. User types a message in the text box, The user clicks the 'send' button.	6. The dialog box appears and displays "Message Sent". The message is sent to the matched user. The message is displayed in the matched user's chat.

OR

ACTION	SYSTEM RESPONSE
1. User navigates to their chat page.	2. Chat page is displayed to the user.
3. User chooses one of their matches to chat with and clicks their name.	4. The chat for that user appears on the right-side of the screen next to the list.
5. User types a message in the text box. The user clicks the 'send' button.	6. The message appears in the chat. The text box is cleared. The message is sent to the matched user. The message is displayed in the matched user's chat.

Case: User would like to login/logout of HƐ>LO WORLD.

ACTION	SYSTEM RESPONSE
1. User clicks the "login/logout" button on the upper right side of any of the web pages depending on whether they are logged in or not.	2. If User is logged in, User is logged out and redirected to login page. Else, go to 3.
	3. If User is not logged in, User is redirected to login page.
4. User enters username and password and clicks login.	5. Check for correct login information and either redirect to home page logged in or present error.