Product Backlog

Team Members:

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Problem Statement:

Are you afraid of getting to know new people? Do you find that your nerdy interests are a deal-breaker in your love life? Then this service is for you. Using our comprehensive matchmaking system you too can find someone who shares the same nerdy interests that you do. Find people with similar nerdy interests, such as gaming(video and tabletop), anime, books, sci-fi, fantasy, etc. Once we have found a match for you, you can contact and get to know.

Background Information:

Audience

Nerds who are having trouble finding relationships.

Domain

While most dating website matches user based on many different ideas, there are not many that match users based on all of the different interests different "nerds" have. This webapp will look into matching users by these interests and hopefully better match different users, more than sites like eHarmony could.

Limitations

While it would be nice to use machine learning methods to match people together and make it more accurate we will probably not be able to use that process. We will not be able to use this as getting enough data. Without enough data doing it this way will probably be just as good as randomly guessing.

Environment:

For the environment we will use node.js as we have a lot of past experience with it to host the server. We would like to use mysql to store the information in a database. We will use CSS, Javascript, and HTML to run the web page.

Requirements (Backlog):

Functional:

Backlog ID	Functional Requirements	Hours	Status
1	As a user, I would like to be able to create an account with a password	5	completed
2	As a user, I would like to be able to edit my password.	5	completed
3	As a user, I would like to select my preferences.	15	completed
4	As a user, I would like to view my preferences.	15	Sprint 2
5	As a user, I would like to be able to edit my preferences.	15	completed
6	As a user, I would like to be able to see a list of possible matches	25	completed
7	As a user, I would like to be able to chat with my matches	20	completed
8	As a user, I would like to have a profile picture	5	Sprint 2
9	As a user, I would like to edit my profile picture	5	completed
10	As a user, I would like a way to make sure only matches can message me because I do not want everyone messaging me.	20	completed
11	As a user, I would like to block users that I am not interested in.	5	completed
12	As a user, I would like to have a way to find matches within a certain distance of me.	15	Decided not to do
13	As a user, I would like to find matches that speak the same language(s) that I know.	10	Sprint 2
14	As a user, I would like to update my status so I don't	5	Sprint 2

	get my matches when I am in a relationship.		
15	As a user, I would like to answer compatibility questions so the system can find me a better match	10	Will not have time to do
16	As a user, I want to be notified when I receive a message	5	completed
17	As a user, I want to find matches that are within a certain range of ages	2	Sprint 2
18	As a user, I want to find matches that are at least 18 years old	2	Sprint 2

Non-Functional:

Backlog ID	Non-Functional Requirements	Hours	Status
1	As a user, I would like the match algorithm to match me to someone closest to me my preferences.	30	completed
2	As a user, I would like a fast response time for website.	10	completed
3	As a user, I want my information to be secured.	10	Sprint 2
4	As a user, I would like to have an easy to use user interface .	5	completed

Use Cases:

Backlog ID 1: As a user, I would like to be able to create an account with a password

Action	System Response
User clicks "Create an Account"	Open webpage to create an account
The user fills out all information in the create account form	The system does nothing until the user hits submit

The user clicks submit	Server will save information in sql database

Backlog ID 2: As a user, I would like to be able to edit my password.

Action	System Response
Click edit personal Profile	Open web page to edit personal info
Clicks Change password	Dialogue box opens to allow user to edit old password
User enters old and new password	Nothing happens until the user clicks "confirm". The characters of the password should be displayed as asterisks.
User clicks Confirm	Server checks to see if the old password is correct. If it is, then the old password is overwritten with the new password in the database. Passwords will not be stored in plaintext format.

Backlog ID 3: As a user, I would like to select my preferences.

Action	System Response
After User Creates an account(Backlog ID 1) user will be redirected to page to edit preferences.	Open web page to edit personal info
User fills out preferences	Nothing changes until "save" is clicked
User clicks save changes	Server saves changes made

Backlog ID 4: As a user, I would like to view my preferences.

Action	System Response
Click edit personal Profile	Server will search sql database for user preferences, and then create a webpage to send to the user. The web page will allow the user to view and edit their profile information.
User views and edits profile information	Nothing will happen until the user clicks "submit"

User clicks "submit"	The information in the database will be updated to reflect the changes made.

Backlog ID 5: As a user, I would like to be able to edit my preferences.

Action	System Response
Click edit preferences	Open web page to edit preferences
User will change the preferences.	Nothing happens until the user clicks "submit"
User clicks submit	Server will change to updated preferences.

Backlog ID 6: As a user, I would like to be able to see a list of possible matches

Action	System Response
Click on home page or login	Server will pull top matches and pull on pages
User can view top matches	

Backlog ID 7: As a user, I would like to be able to chat with my matches

Action	System Response
Click on Inbox on home screen	Open web page to all received messages
Click on user you would like to chat with	Loads messages from user and display a textbox for typing in
User clicks "send message"	The message in the textbox will be sent to the recipient. The send message will be visible to both the sender and the receiver, like in a chat room.

Backlog ID 8: As a user, I would like to have a profile picture

Action	System Response

After user saves preferences user will get chance to add a image	Load webpage to allow user to select image
User selects add an image	Dialogue comes up that allows the user to add a image from file
User selects image	A confirmation box will appear, asking if the user is sure they want to use this image.
User hits confirm	Image is saved in Backend for use with profile.
User dismisses confirm box	The confirmation box disappears and no changes are made. The user is left with a default image.

Backlog ID 9: As a user, I would like to edit my profile picture

Action	System Response
User clicks "edit profile"	User is taken to the edit profile page
User clicks "change profile picture"	A file browser appears, allowing the user to browse their computer for an image
Users selects image	A confirmation box appears, asking if they're sure they want to use that image
User hits confirm	The selected image is uploaded and saved to the server, replacing the old one.
User dismisses confirm box	Nothing is changed, profile picture remains the same.

Backlog ID 10: As a user, I would like a way to make sure only matches can message me because I do not want everyone messaging me.

Action	System Response
User clicks "edit preferences"	User is taken to the edit preferences page
User checks/unchecks "only allow messages	Nothing happens until user clicks "save"

from matches"	
User clicks "save"	The setting is changed in the server. If checked, the user can only receive messages from people they were matched with. If unchecked, any user can send them a message.

Backlog ID 11: As a user, I would like to block users that I am not interested in.

Action	System Response
User opens the profile page of another user	Open web page with person profile on it
Click block user	Dialogue comes up to have you confirm.
User Confirms	All messages from the blocked user will be ignored. The user will appear to be offline to the blocked user.

Backlog ID 12: As a user, I would like to have a way to find matches within a certain distance of me.

Action	System Response
User opens the personal preferences page.	Open web page that allows user to edit
Select "limit by location"	Prompts user to enter where they live and a maximum distance for matches.
User enters location and distance	Nothing happens until the user clicks "save"
Click Save	Will update server to know only search within a certain distance.

Backlog ID 13: As a user, I would like to find matches that speak the same language(s) that I know.

Action	System Response
User opens personal preferences page	Open web page that allows user to edit

Select limit by language	Open a form to let the user specify a language
Enter Language.	Nothing happens until the user clicks "confirm"
Click confirm	Will update server to know only find matches with certain languages

Backlog ID 14: As a user, I would like to update my status so I don't get my matches when I am in a relationship.

Action	System Response
Click edit personal profile	2. Open web page that allows user to edit personal profile
Click "relationship status"	Dialogue box opens, allowing the user to choose between "available" or "taken".
User selects "available" or "taken"	Nothing happens until the user clicks "save"
Click Save	Updates the relationship status on the server. If "taken" is selected, the user will no longer be suggested as a match for other users. If "single" is selected, the user will start appearing as a potential match again.

Backlog ID 15: As a user, I would like to answer compatibility questions so the system can find me a better match

Action	System Response
Click "Answer compatibility questions"	Take user to the survey page. A question will be selected from a list and displayed to the user.
User selects an answer to the question	Server saves the answer in a database. The backend will use the answers to these questions to determine compatibility between two users. The user is given another question to answer.

Backlog ID 16: As a user, I want to be notified when I receive a message

Action	System Response
User receives a message from another user	A notification icon appears on the recipient's screen, displaying the number of unread messages
User clicks on the notification icon	The user is taken to their inbox. The number of unread messages is reset to 0.

Backlog ID 17: As a user I want to find matches that are within a certain range of ages

Action	System Response
User sets an age range in their preferences	Nothing is done until user hits submit
User clicks submit	Users that can be matched are filtered by given age range

Backlog ID 18: As a user I want to find matche that are at least 18 years old

Action	System Response
When User creates account they are asked for their birthdate	System does nothing until user hits submit
User clicks submit	System checks if age if > 18 and either accepts or rejects account accordingly.