DESTINED DUO
Team Name: BARK
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Summary

It is hard to say at any age that you have tried everything that you have wanted to, and most people have only a few hobbies because committing to a new one takes a decent amount of effort. Sometimes the hardest part of trying something new is the fear that you will be doing it alone. Even if you have a copious amount of friends there is no guarantee that they like everything that you do and that could be what prevents you from picking up a new hobby. It is more than likely if someone is feeling like they are in this position that they are not alone. It would be great if you could meet someone online that has similar interests as you and is also looking for a buddy to start a new activity with. Not only would you potentially be making a new friend, but you would have a companion who would make trying something new a little less daunting. This is what Destined Duo sets out to do. Destined Duo is a web application where anyone can find someone in their area like themselves looking to try the same new activity. New users can create a new account and create a profile for themselves as well as creating specifications of what they are looking for in an activity buddy. They can create new activities on the community explore page to hopefully find someone looking to do the same thing they want to sign up for. As a user you can also look through activities on your explore page to respond or add any to your dashboard and message other people on Destined Duo who you would like to start an activity with. Our web application's easy-to-navigate design will allow users to easily browse and hopefully find the right buddy to start a new adventure together!

Our solution of an online interactive platform will be able to connect people in a new way based on shared interests and the exciting prospect of having new adventures. Users can log into their accounts on our website and create activities or search existing ones for new activity companions. Searching through posts can be filtered to a user's specifications including age, gender, activity, and location. Once a user finds a post that sparks their interest, all they have to do is save the post and they can then chat with each other on the message feature provided. From this point forward the two users can discuss their plans with each other and if they'd like to move forward as activity buddies. This application is intended to make trying something new less scary and more exciting.

Competitors:

The other competitors to Destined Duo are Facebook groups and Group Me. Both of these platforms allow for messaging groups to be built upon a commonality which could very well be an activity or hobby. However, many companions that people can find within these chat groups do not have the specific intention that our web application does. Destined Duo helps users meet others that have the specific goal of trying out a new activity together. For example, a yoga Facebook group would contain people who mostly have tried yoga and are experienced with it. Even if there were people who are new to yoga, it would be hard to find someone who might want to try a beginner class amongst a whole group of potentially thousands of people in the group. Our application simplifies the process of helping users find one other person with a similar interest at a similar skill level who wants to try the same thing that they do.

Stakeholders:

Stakeholders for the Destined Duo app consist of college students, parents, and adults of all ages. This app is meant for anyone looking to find someone new to connect with to go and do some sort of activity together. Despite being available for adults of all ages, college students gain the most out of this app as they have just started their journey of branching out from home and becoming independent and they could utilize this app to meet new people that have similar interests. For those who are from a college specifically, they can use their college's credentials (for example, one's school email, etc) to make an account and log in to be verified to be from a specific school so that students can be confident that they are meeting other students from the same college/university. All it takes is to create a post for an activity or to find someone who has the same interests as you in a certain activity, and now there is newfound friendship. This can be from creating study sessions for different classes, to playing a sport or going to the gym with someone to connect with and spot you. It is limited to one person per activity and through trying out different activities, one can meet a span of different people they would not have met had it not been through Destined Duo. As a college student, doing activities from school work to club/sports events is much more enjoyable when you can have someone to enjoy it with. Parents also can be relieved, knowing that their children are not alone and are enjoying their college experience as a result of using Destined Duo to connect with others. The people you meet online and connect with could be potential future friends for the next 4 years that they are in college, and beyond! Again, this is not just restricted to college students. To ensure some form of safety, profiles are recommended to link other forms of social media to show that one is more authentic and both parties must agree on each other before meeting, but to be on the safer side. It is always recommended to have pepper spray or the like when it comes to meeting anyone, regardless if

it's through the destiny duo app or not and we would suggest meeting in public settings to start when meeting someone new. Anyone looking to meet someone new or to find someone to motivate each other to do some sort of activity only has to create a post on the Duo Destined app and connect!

Technologies:

One of our plans for the website is to keep track of the list of clients who are users as well as those who will be admins of the site. In order to achieve this, we decided to use SQL and phpMyAdmin to establish and organize vital information regarding each person and make sure that everything is organized. Each person will be assigned a random 10 digit number that will be their personal id. However, the user themselves will not be aware of the number to ensure that nothing is leaked out. An example of where this will be utilized will be the login page, which will be a PHP file. Furthermore, any changes in regards to a user's preferences or interests will be via PHP. Because the user's preferences/interests will be uploaded to our database we will need to ensure that these updates are properly implemented into the database. If the correct credentials are inputted then the user will be able to successfully go into our website and be able to communicate with people. Furthermore, we are planning to either use a private chat box/chat log for two people to communicate when they either want to meet up or talk about specific interests. In terms of ensuring that the chat box is private, we will need to learn about security to create a channel of communication. However, the current plan is to utilize PHP along with jQuery and AJAX to actually create the chat box. In regards to the overall formatting and general layout of our webpages, the plan is to utilize HTML5 and CSS as our means of designing our pages. Everything in regards to our backgrounds and formatting will utilize these languages.

When a user wants to access other pages in our website, they should direct themselves to a navigation bar that we will create in JavaScript as their means of going to other pages in our website.

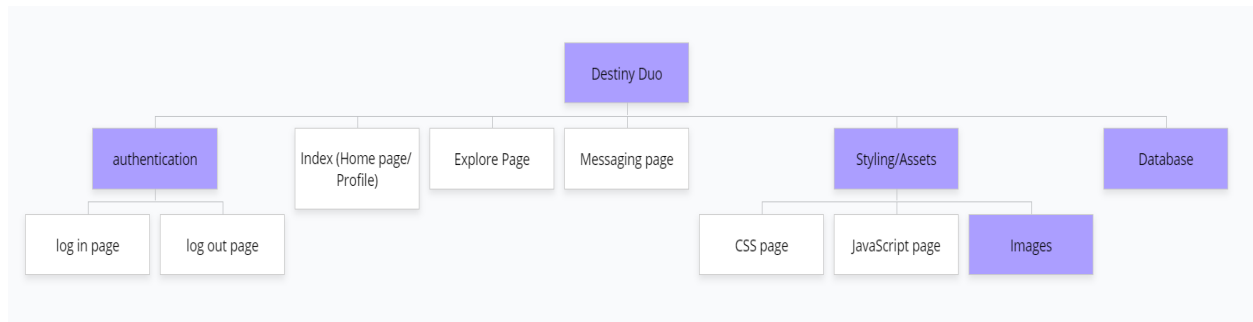**Functional/Non-functional Requirements**

Upon first entering our website, a user will be directed to the login page where they can either login to their personal homepage or sign up for an account on our site. When the user first signs up, they will have to provide their email and other personal information. When this action is completed, they will be sent a verification email to ensure that they have provided the correct information. Upon completion, their personal information will be recorded to our database of users. Furthermore, they will also be able to add to their preferences and what they are looking for on this website via a questionnaire/survey, which will then be utilized on their personal page, displaying their interests. Depending on the person's choice, their personal (aka contact information) will be either private or public. However, upon using the explorer's tab/page, the user will be able to find different people who have similar interests/topics they want to explore or learn about. In order to ensure that there is proper communication between them, there will be a chat log that will allow them to communicate. However, this information will be privatized and secure so that there are no leaks regarding when different users may want to meet up or any other kind of important information.

Our non-functional requirements, on the other hand, will primarily be focused on ensuring that our site is secure and information (such as client information in our database) will be safe. Other than ensuring that our website functions correctly, our number one priority is ensuring our clients that their personal and private information is secure. As a result, users will automatically be logged out of the site and returned to the homepage if they are not active for

more than 10 minutes. Furthermore, if an unregistered device (like a different phone or laptop) is attempting to access the user's page, we will be using RPI's CAS system to ensure that someone with the correct credentials is accessing the correct page. Other important non-functional requirements such as maintainability and reliability will focus on ensuring that the website will be able to run as efficiently as possible when multiple users are using it. We need to develop ways so that implemented technologies such as the chat box will be able to run as smoothly as possible.

Project Schedule:

Task	Estimated Deadline
Project Proposal + Presentation	Tuesday, September 17th
Create all HTML and CSS files	Sunday, September 26th
HTML + CSS layouts	Sunday, October 3th
Create database	Tuesday, October 5th
Connect login + profile page	Thursday, October 7th
Midterm Presentation Day	Friday, October 15th
Explore page	Sunday, October 24th
Chat feature	Sunday, October 31st
Add non-functional requirements(securities)	Sunday, November 14th
Final adjustments	Tuesday, November 30th
Presentations	December 3/7th
Finish(final changes) + submit code	Friday, December 10th

<u>Site Map:</u>

- Purple represents folders

Wireframe

Home   Explore   Messages   Profile

Destined Duo Logo

Welcome!   About Us   Contact us

It's hard to say at any age that you have tried everything that you have wanted to, and most people have only a few hobbies because committing to a new one takes a decent amount of effort.

Sometimes the hardest part of trying something new is the fear that you will be doing it alone. It is more than likely if someone is feeling like they are in this position that they are not alone.

Destined Duo allows you to meet someone online that has similar interests as you and is also looking for a buddy to start a new activity with.

Search for users based off activity and start messaging and planning with them immediately!

Sign-In

Username/email address field

Password

Enter

Sign-Up

Display/username

Email address field

Password field

Confirm password field

Enter

Home   Explore   Messages   Profile

Destined Duo Logo

🔍 explore activites

Kayaking   Kayaking   Kayaking

Lifting   Lifting   Lifting

Dog Walking   Dog Walking   Dog Walking