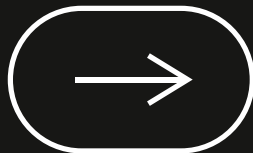


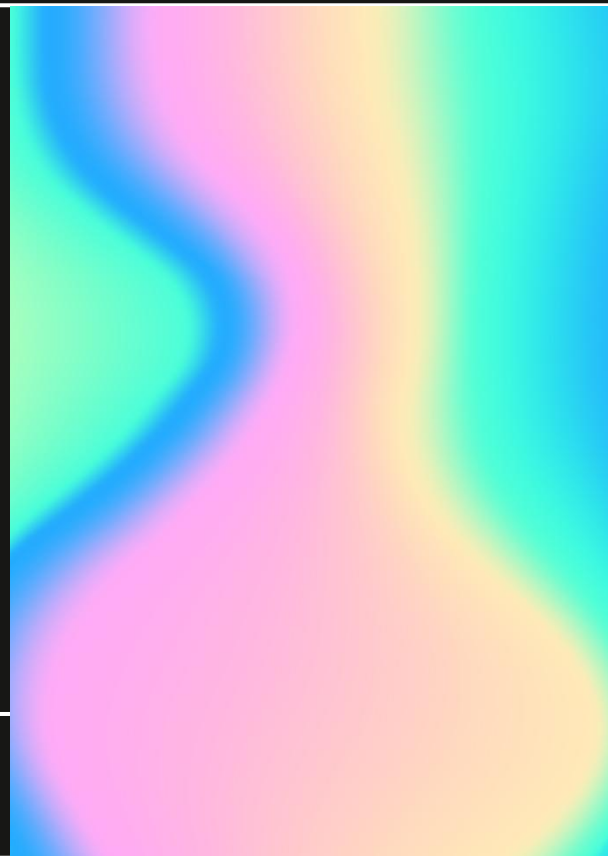
# Outdoors .io



Itching to get out of the city?  
Worried about your safety going alone?



Aston Tan and Sebastian Suherman



# Outdoors.io

## → Project Rationale and Key Features

Data Flow Diagrams

Use Cases

Entity Relationship Diagrams

Business Process Mapping

Wireframes

# Project Rationale



**Audience: People interested in outdoor activities that have no one to go with**

Itching to get out of the city? Worried about your safety going alone?

- Reconnect with nature after your busy day-to-days
- Not all your friends want to be outdoors - find people who do!  
Certain outdoor activities need partners or teams.
- Talk to experts who can help guide you to the outdoors
- Find popular outdoor activities to do in your area



# Key Features



01

## Find Buddies

Match up with like-minded people looking for an exercise buddy

02

## Chat

Communicate directly with your buddies to coordinate a chosen activity

03

## Explore Ideas

Find inspiration for new activities by looking at our curated activities list - just for you and your partner!

04

## Activity Reviews

Check out our activity reviews - where you can find and submit your own reviews of activities!

# Outdoors.io

Project Rationale and Key Features

→ **Data Flow Diagrams**

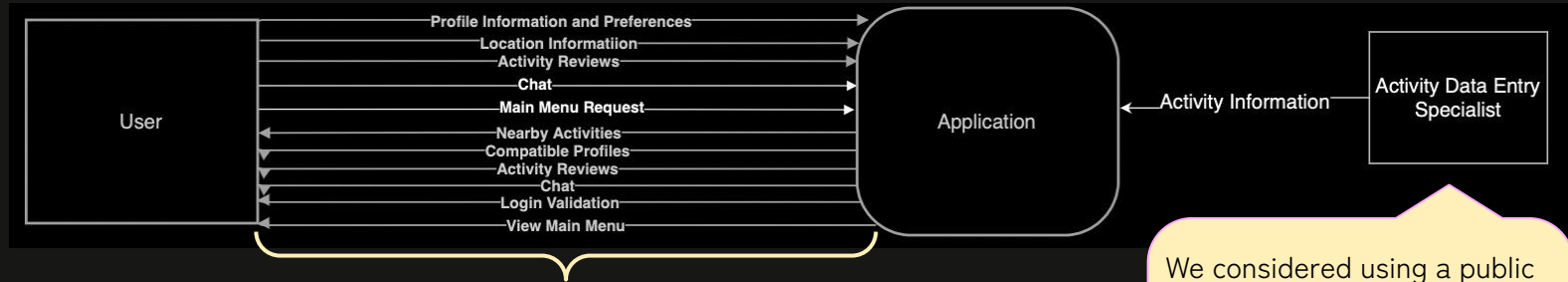
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# Context Diagram



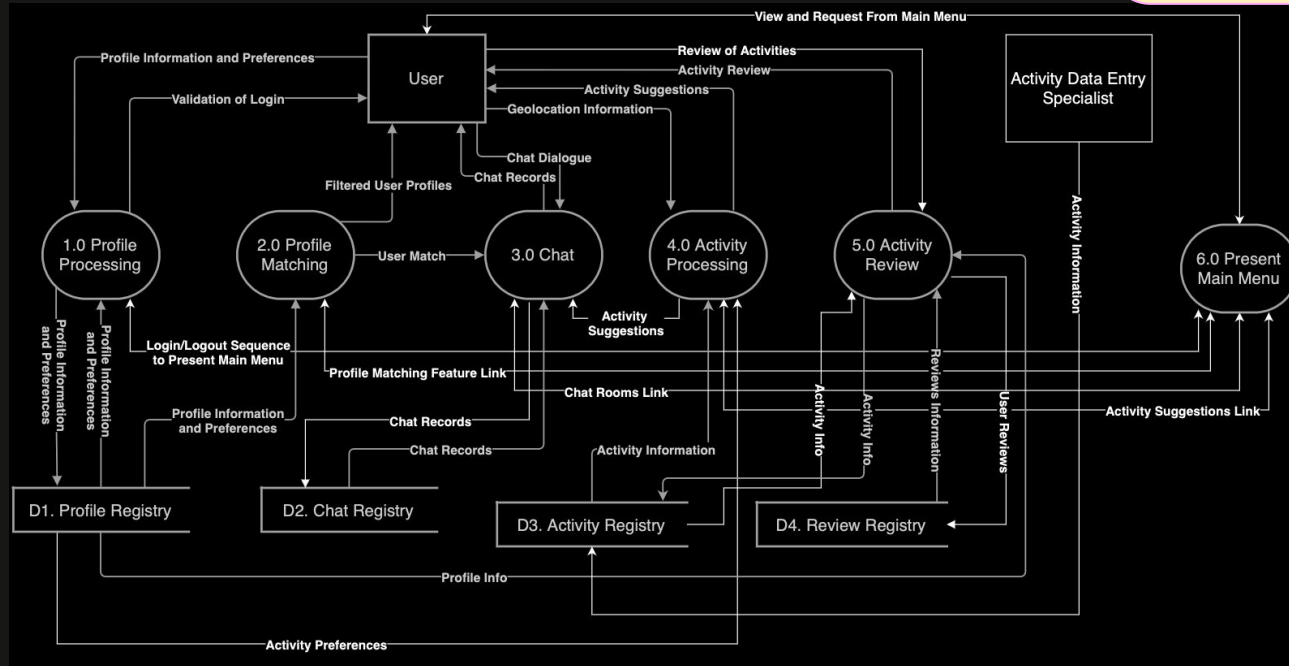
The information exchanged between user and application revolves around the application's functionality

We considered using a public database for real-time updates to our activities, but decided that it would be difficult to compile unstandardized data

# Level 0

We considered the idea that we could use an algorithm to generate recommendations that catered to both people that matched.

That way, they would be able to more easily find activities that appeal to both parties.



# Outdoors.io

Project Rationale and Key Features

Data Flow Diagrams

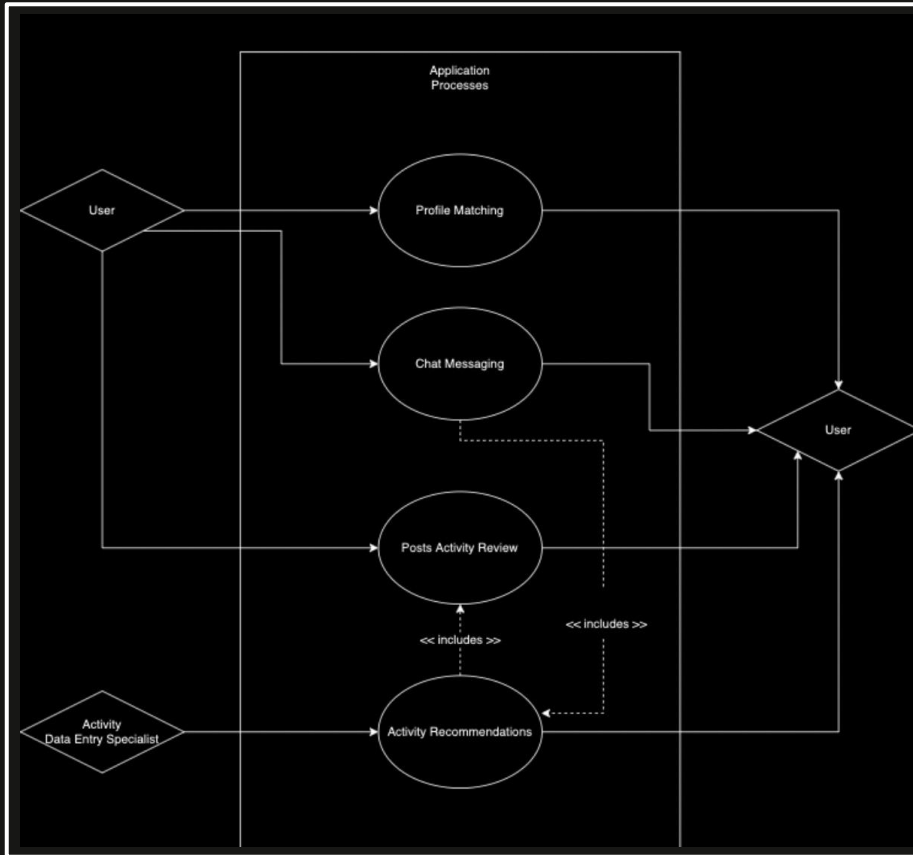
→ **Use Cases**

Entity Relationship Diagrams

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# Use Case Diagram

# UC-1: User Matches With Another User

**Primary Actor:** User (Primary)

**Supporting Actor(s):** Users (Secondary)

**Description:** User looks through a list of **recommended users** generated by the app which is **based on the user information, specifically preferences**. The user then swipes or clicks on other user profiles to indicate users that they are interested in matching with. **If there is a mutual user match, both users will be notified of their match.**

## Normal Course:

1. The *primary user* clicks on “Profile Matching”
2. The application generates a list of recommended *secondary users* for the *primary user* to browse
3. The *primary user* swipes on a *secondary user* profile that the *primary user* is interested to match with
4. If the selected *secondary user* also swipes on the *primary user*’s profile, a successful match would occur.
5. Both the *primary user* and *secondary user* will be notified of their match through a visual confirmation and a chat room between the users will be initiated by the application.

User Interface  
discrepancy

# UC-2: User posts an activity review

**Primary Actor:** User (Reviewer)

**Supporting Actor(s):** None

**Description:** After the user has completed an activity, the **user chooses to post a review** about the aforementioned activity, **detailing the contents of their review** (texts and images) and what **rating the activity gets out of 5**. All the information will be stored in the review registry. For each activity, the **rating will be averaged out and then displayed to users** through the application.

## Normal Course:

1. The *user (reviewer)* clicks on “Recommended Activities” and is presented with a list of recommended activities.
2. The *user (reviewer)* clicks on the activity they wish to review, entering their activity’s “Activity Page”
3. The user (reviewer) then clicks on the Activity Reviews button to be redirected to the “Activity Reviews” page
1. The *user (reviewer)* clicks on the Post a Review button and is then directed to input their information regarding the activity
2. Once the user (reviewer) has completed their inputs, they will then click on the post review button to have their review posted and be redirected to the “Activity Reviews” page.

Deliberated over the rating system (out of 5 or 10) but decided to stick to conventional standards to maintain that familiarity for users.

## UC-3: User schedules meeting through chat

**Primary Actor:** User (Primary)

**Supporting Actor(s):** Users (Secondary)

**Description:** *Primary user opens the chat function and selects a secondary user to chat with.* The *secondary user* is someone the *primary user* has successfully matched with. The *primary user* utilizes the in-chat activity recommendation feature to **schedule a meet-up with the secondary user to perform an activity together.**

### Normal Course:

1. The *primary user* clicks on “Chat” and enters the chat page
2. The application provides a list of chat rooms with *secondary users* that the *primary user* has successfully matched with
3. The *primary user* selects a chat room.
4. The *primary user* selects “Recommended Activities” within the chat room. Provides the *primary user* and the *secondary user* a list of recommended activities based on both users’ activity preferences and geolocation information.
5. The *primary user* and *secondary user* discuss their preferred activities in the chat.
6. Both the *primary user* and *secondary user* agree on an activity to do together.

## UC-4: User browses activities & reviews

**Primary Actor:** User (Primary)

**Supporting Actor(s):** Users (Secondary);  
Activity data entry specialist

**Description:** *Primary user* opens the **Activity List**, which provides a list of recommended activities according to the *primary user's* activity preferences and geolocation. *Primary user* **selects activities to read their reviews**. All activities were inputted by the Activity Data Entry Specialist while the **reviews are posted by secondary users**.

**Normal Course:**

1. The *primary user* clicks on “Activity List”
2. The application provides a list of recommended activities based on the *primary user's* activity preferences and current geolocation.
3. The *primary user* scrolls through the list and selects an activity of interest.
4. The application displays the activity's information and reviews to the user.

# Outdoors.io

Project Rationale and Key Features

Data Flow Diagrams

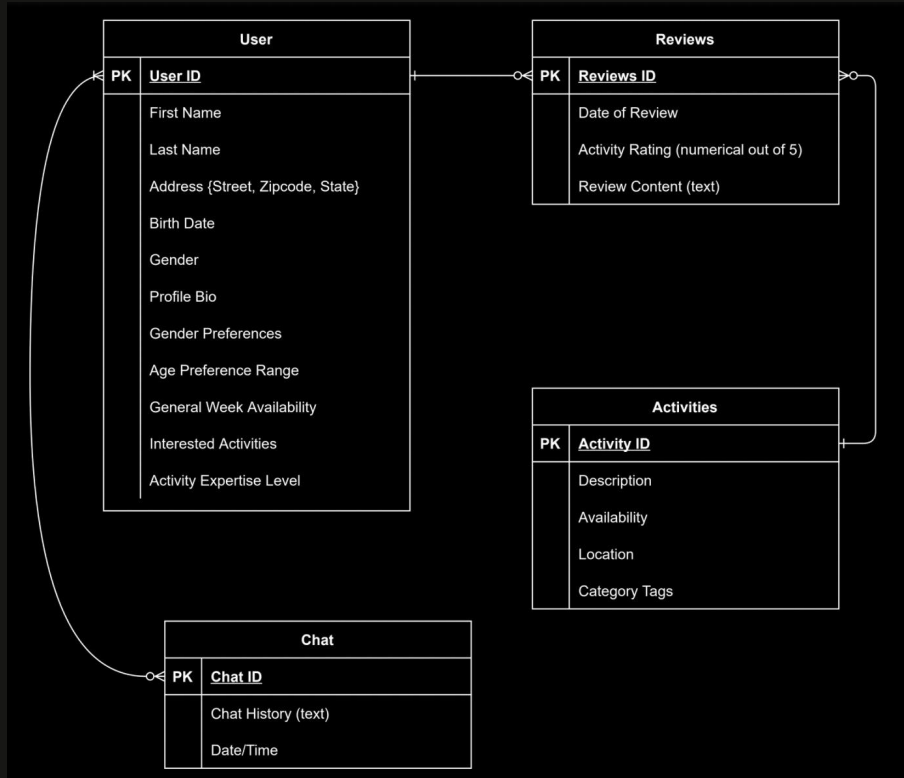
Use Cases

→ **Entity Relationship Diagrams**

Business Process Mapping

Wireframes

# Entity Relationship Diagram



General Weekly Availability attribute helps people make plans easier. Weekly availability can be changed in profile configurations.

We are more concerned about facilitating getting users off the app and doing activities in real life

The expertise level might be too subjective, but expertise can be further communicated once there is a match

We considered limiting users to post reviews about only the activities that they have done, but it is difficult to track. We therefore rely on an honor system.

# Outdoors.io

Project Rationale and Key Features

Data Flow Diagrams

Use Cases

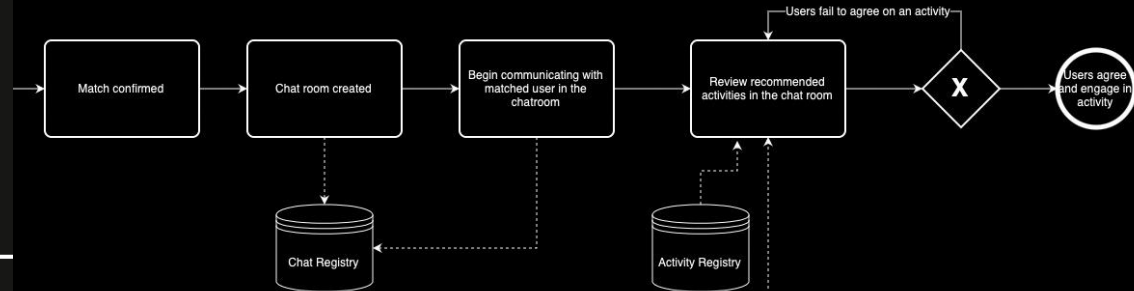
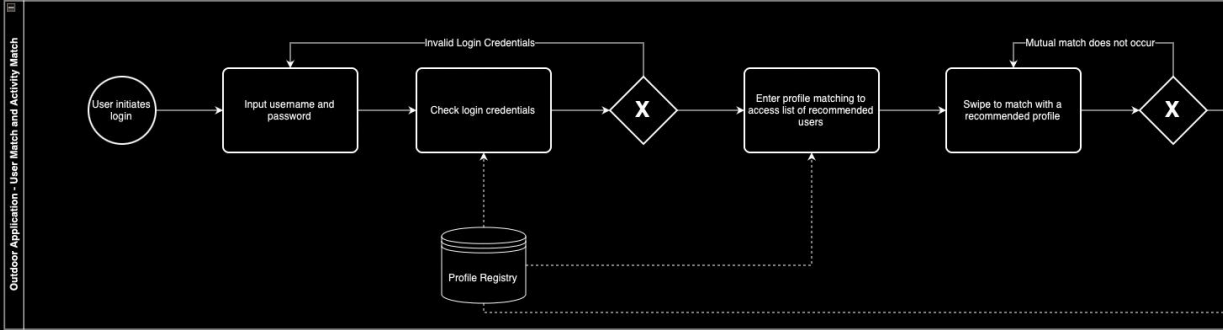
Entity Relationship Diagrams

→ **Business Process Mapping**

Wireframes

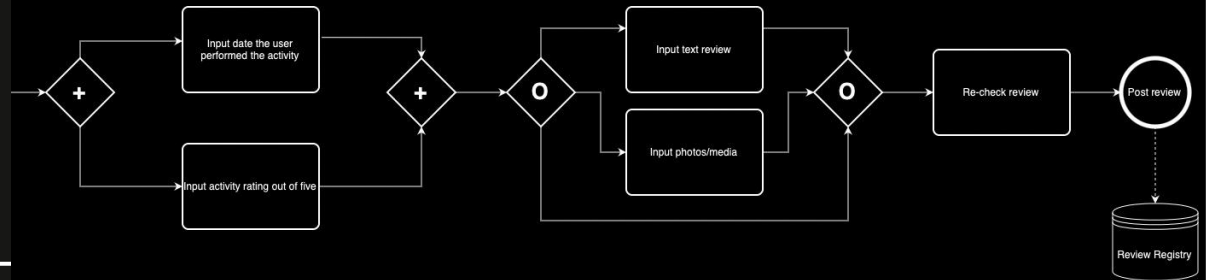
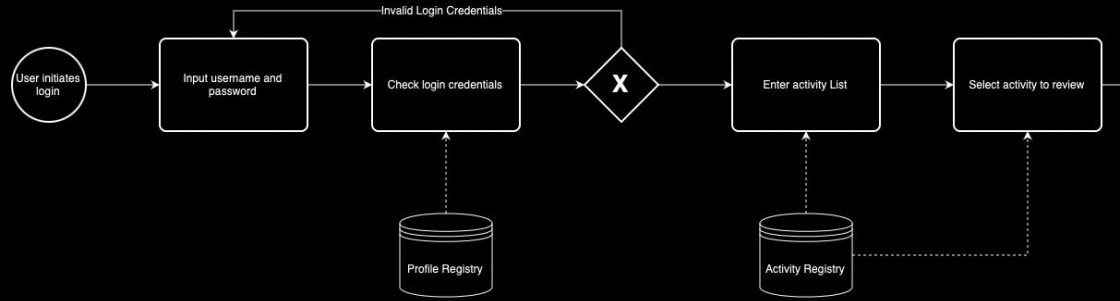


# User Match and Activity Match



# User Enters an Activity Review

Outdoor Application - User Enters an Activity Review



# Outdoors.io

Project Rationale and Key Features

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Entity Relationship Diagrams

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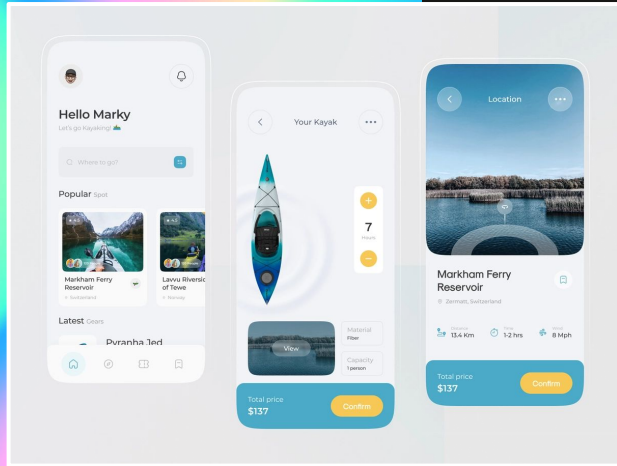
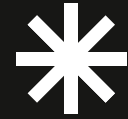
→ **Wireframes**

# Backup Slides

# Potential Add-ons



- Connect with vendors that rent out equipment
- Space for activity vendors to advertise their business



# Outdoor Activities Buddy App

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