

Link to backlog

<https://outdora-project.atlassian.net/jira/software/projects/SCRUM/boards/1/backlog>

Sprint Forecast

Implementation of single sign-on and social media connections

User Story: As a user, I want to be able to log in to the application using Single Sign-On (SSO) and connect my social media accounts to streamline the login process and enhance the user experience.

Details:

- Requirements:
 - Integrate SSO functionality to allow users to log in using their existing accounts from major identity providers such as Google, Facebook, and Apple.
 - Allow users to link their social media accounts to their application profile.
- Dependencies:
 - Ensure proper configuration and integration with third-party SSO providers and social media APIs.
 - Implement security measures to protect user data and privacy during the SSO and social media linking processes.
- Acceptance Criteria:
 - Users can successfully log in using SSO from major identity providers.
 - Users can link and unlink their social media accounts from their profile settings.
 - Users can share content from the application to their social media accounts without issues.
- Estimated in Story Points: 30

Implementation of profile photo upload

User Story: As a user, I want the ability to upload a profile photo to enhance my profile and personalize my experience within the application.

Details:

- Requirements:
 - Implement functionality that allows users to upload a profile photo from their device.
 - Optimize the uploaded image for display within the application.
 - Create a user-friendly interface for the photo upload process.
- Dependencies:
 - Reliable storage solution for storing user-uploaded images.
 - Implement security measures to prevent malicious uploads and ensure data privacy.
- Acceptance Criteria:

- Users must be able to upload a profile photo from their device and see the photo displayed on their profile.
- The uploaded photo must be stored securely, optimized for display, and retrievable on the user's profile.
- Estimated in Story Points: 15

Swiping mechanism

User Story: As a user, I want a swiping mechanism in the application that allows me to efficiently and intuitively browse through potential matches, providing a smooth and responsive experience.

Details:

- Requirements:
 - The swiping interface should be intuitive and easy to use, allowing users to swipe left for "pass" and right for "like."
 - Ensure the swiping mechanism is responsive and smooth, with minimal latency.
- Dependencies:
 - Reliable connection to the database to retrieve and update user match data.
 - Ensure the matching algorithm is efficient and capable of handling a large volume of user data.
- Acceptance Criteria:
 - The swiping interface must be visually appealing, intuitive, and responsive.
 - The swiping mechanism should exhibit minimal latency and load profiles quickly.
 - The matching algorithm must provide relevant and personalized match suggestions based on predefined test cases and user inputs.
- Estimated in Story Points: 30

Finalization of UI

User Story: As a user, I want a polished and intuitive user interface that enhances my experience and makes interaction with the application seamless and enjoyable.

Details:

- Requirements:
 - Ensure the UI is aesthetically pleasing and user-friendly.
 - Implement a responsive design that adapts to various screen sizes and devices.
 - Provide clear and intuitive navigation to enhance user experience.
- Dependencies:
 - Design and implement UI components that are consistent across the application.
 - Ensure all UI components are accessible and meet accessibility standards.
- Acceptance Criteria:
 - The UI must be fully implemented according to the design specifications.
 - The UI must be responsive and function correctly on various devices and screen sizes.
 - The UI must pass usability testing with positive user feedback.

- Estimated in Story Point: 10

Delete profile option

User Story: As a user, I want the option to delete my profile to ensure I can remove my data from the application when I no longer wish to use the service.

Details:

- Requirements:
 - Provide a user-friendly option within the application settings for users to delete their profiles.
 - Ensure that the profile deletion process is straightforward and clearly communicated to the user.
 - Confirm the user's intent to delete their profile with a warning message about data loss.
- Dependencies:
 - The application must have a reliable connection to the database to execute the deletion process.
 - The user interface must be designed to handle the profile deletion option and user interactions smoothly.
- Acceptance Criteria:
 - The application confirms the user's intent to delete their profile with a clear warning about data loss.
 - Upon confirmation, the application successfully removes the user's profile and all associated data from the database.
- Estimated in Story Points: 5

Update preferences

User Story: As a user, I want to update my preferences seamlessly to get accurate match suggestions based on my adventure skills and behaviors.

Details:

- Requirements:
 - Ensure users can update their adventure preferences, skills, and behaviors easily through the app's interface.
 - Validate the updated preferences to ensure they are correctly saved and reflected in the user's profile.
- Dependencies:
 - The application must have a reliable connection to the database to fetch and update user preferences.
- Acceptance Criteria:
 - The user interface must provide a clear and intuitive way for users to update their adventure preferences, skills, and behaviors.
 - Updated preferences must be validated and stored correctly in the database.

- Automated tests (unit tests, integration tests, and end-to-end tests) must verify the correct updating and retrieval of user preferences.
- Estimated in Story Points: 8

Testing

User Story: As a user, I want an application that incorporates comprehensive checks and balances to ensure that it operates flawlessly and delivers a seamless experience.

Details:

- Requirements:
 - Ensure the integration pipeline includes comprehensive testing to detect and address issues early, minimizing disruptions and maintaining application stability.
 - Test the algorithm to ensure it returns relevant and accurate match suggestions based on user inputs.
 - System enforces password strength requirements and provides feedback on password complexity.
- Dependencies:
 - Application has a reliable connection to the database, with proper configuration for accessing and interacting with the data.
 - Proper configuration ensures that the application can correctly connect to and interact with the database.
- Acceptance Criteria:
 - The integration pipeline must include automated unit tests, integration tests, and end-to-end tests.
 - The algorithm must return relevant and accurate match suggestions based on a set of predefined test cases and user inputs. [OBJ]
- Estimated in Story Points: 30

Total Story Points: 128

Rationale for Each Task

Implementation of Single Sign-On and Social Media Connections:

Integrating Single Sign-On (SSO) and social media connections is vital for streamlining the login process and enhancing user experience. This task involves allowing users to log in using their existing accounts from major identity providers like Google, Facebook, and Apple, and linking their social media accounts to their application profile. Proper configuration with third-party providers and robust security measures are necessary to protect user data and ensure seamless integration.

Implementation of Profile Photo Upload:

Allowing users to upload a profile photo enhances personalization and improves user engagement. This task involves implementing functionality for users to upload a photo from their device, optimizing the image for display, and creating a user-friendly interface for the upload process. Ensuring secure storage and preventing malicious uploads are crucial dependencies.

Swiping Mechanism:

Creating an engaging and intuitive swiping interface is essential for fostering user engagement and facilitating meaningful connections. This user story entails implementing features such as swipe interactions, profile displays, and feedback mechanisms to ensure a seamless user experience. The matching algorithm is designed to provide accurate and relevant match suggestions based on user-specified preferences, including interests, skills, and behaviors, within a specified distance range. This ensures that the algorithm effectively connects users who share mutual interests and align well with each other.

Finalization of UI:

A polished and intuitive user interface significantly enhances user experience and interaction with the application. This task involves ensuring the UI is aesthetically pleasing, user-friendly, and responsive across various devices and screen sizes. Implementing consistent UI components and adhering to accessibility standards are critical dependencies. Positive user feedback from usability testing is a key acceptance criterion.

Delete Profile Option:

Providing an option to delete a profile ensures users can remove their data when they no longer wish to use the service. This task involves creating a user-friendly option within the application settings, confirming the user's intent with a clear warning about data loss, and executing the deletion process reliably. Ensuring smooth user interaction and secure data removal are essential.

Update Preferences:

Allowing users to update their preferences seamlessly is crucial for delivering accurate match suggestions based on their adventure skills and behaviors. This task involves creating a clear and intuitive interface for updating preferences, validating the changes, and storing them correctly in the database. Automated tests to verify the updating and retrieval processes are necessary to maintain application stability.

Testing:

Incorporating comprehensive checks and balances ensures the application operates flawlessly and delivers a seamless experience. This task involves ensuring the integration pipeline includes automated unit tests, integration tests, and end-to-end tests to detect and address issues early. Testing the matching algorithm and enforcing password strength requirements are critical components. Proper configuration for database interaction is essential to maintain application stability and accuracy.

Sprint Burndown Chart

Sprint burndown chart

[> How to read this report](#)

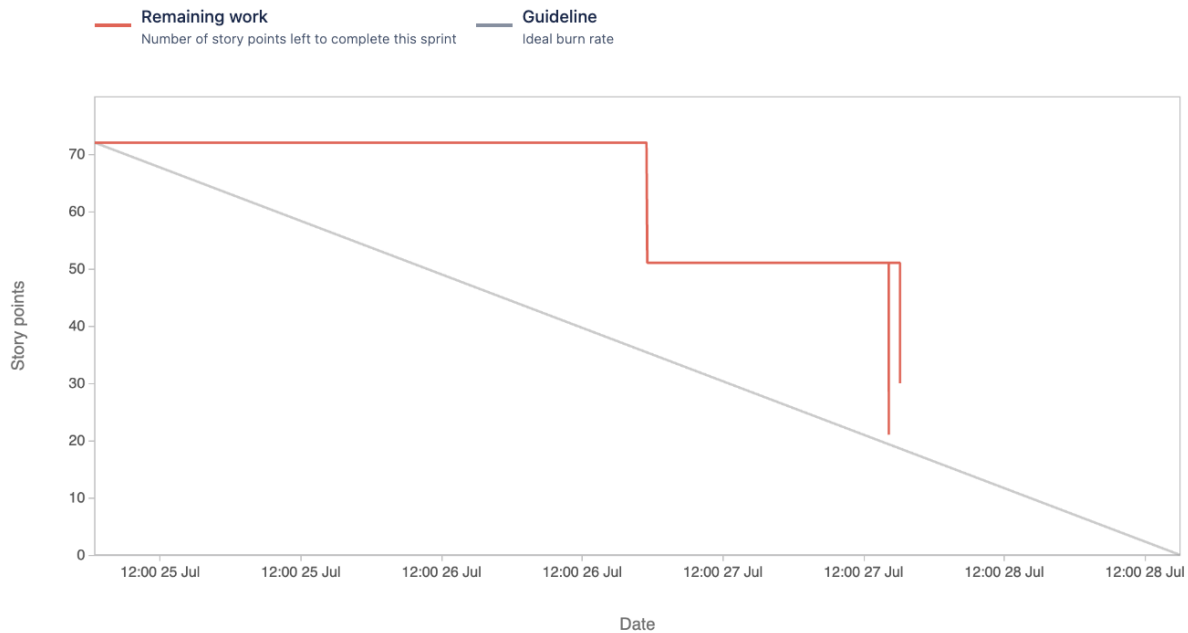
Sprint

SCRUM Sprint 3

Estimation field

Story points

Date - July 24th, 2024 - July 28th, 2024



Daily Scrum Questions

What did you do in the last 24 hours that helped the Development Team meet the Sprint Goal?

Alaina- I added a swiping mechanism, fixed some data fetching issues, added some features to cover requirements, fixed broken test cases, and worked with the group members to prepare for the final sprint deadline

Nishik- I added an unmatched component and fixed various UI components.

Cesar- In the last 24 hours, I added a bottom navigation bar to our app, making it easier to switch between Home, Profile, Matches, and Preferences.

Parker- Fixed deprecated implementation of navigation bar. Added location services. Modified chat screen to enable the ability to send images. Added images to chat screen. Modified chat list. Added images to chat list. Integrated Instagram. Modified preferences screen. Added delete user option. Disabled headers. Disabled swiping other than on messaging screen for gestures. Implement dictionary for state lookup to mitigate google maps api call. Rearrange navigation items to move matches to the home page.

Aliyah- In the last 24 hours, I worked on finalizing the UI by adding several UI components.

What will you do in the next 24 hours to help the Development Team meet the Sprint Goal?

Alaina- I will host the sprint review and retrospective and write some final test cases to meet our goal

Nishik- I'll work on social media connections.

Cesar- The next 24 hours will consist of writing a new test suite composed of at least 10-unit test cases.

Parker- Generate test cases to create users to allow for user functionality.

Aliyah- I will work on the Sprint documentation and conduct user tests on the application.

Do you see any impediment that prevents you or the Development Team from meeting the Sprint Goal? What are the impediments? What is your impediment removal plan?

Alaina- There was more than I expected left to complete at the start of sprint 3 but I believe we covered the bases well and I don't see any challenges preventing us from finishing the app this sprint

Nishik- I don't foresee any impediments to the project. We should be able to finish the majority of the project on schedule.

Cesar- As of now, everything seems to be going as expected and on schedule.

Parker- Nothing will stop us from reaching our goal, I will implement features and squash bugs as needed.

Aliyah- At this time, I do not believe there will be any impediments to the project.

Pair Programming

Alaina: Parker and I pair programmed together to determine the last requirements to add to the app and to fix some bugs and deprecation issues. We communicated over teams to determine the issues and fixes. Some of the issues we fixed included the profile data not being fetched for incoming potential matches, a deprecated test case package, and an unidentified variable error displaying when there were no new potential matches for a user.

Aliyah and I also communicated through teams to determine how the homepage should display matches and how the potential matches page should be incorporated into the homepage instead of having its own page.

Sprint Review and Retrospective

<https://youtu.be/8m5EAk0iaUU>

Link to Final Demo

[Sprint 3 Demo.MOV](#)