

Sprint #2 Plan - Eco-Connect - EcoTech Team

7/07 - 7/13

Completion date : [07/09/24] | Revision #1 [07/09/24]

Goal:

- The goal of Sprint 2 is to develop and implement core functionalities that enable users to interact with posts and services effectively, ensuring security and usability. This sprint will focus on displaying and reading posts from the database, integrating the geolocation API, implementing pagination, enabling posting services, and adding Multi-Factor Authentication (MFA) for enhanced security.

Objectives:

1. *Display and Read Posts:* Implement functionalities to fetch and display posts from the database, ensuring users can view available services.
2. *Integrate Geolocation API:* Implement the geolocation API to display posts based on users' locations, enhancing the relevance and usability of the services displayed.
3. *Implement Pagination:* Add pagination to the application to ensure smooth and efficient navigation through posts.
4. *Enable Posting Services:* Develop features that allow users to post their own services, facilitating community interactions and service exchanges.

User Story #1 (Total: 9)

As a user, I want to be able to sign in or register, and connect with those living in my community. (radius - adjustable ?)

Tasks:

1. Implement UI [assignee : arnaud | estimate : 3]
 - a. Design sign-in and register buttons
 - b. Create pages that map to those buttons
2. MFA [assignee : elena | estimate : 3]
 - a. Add email/pass authentication provider
 - b. Recognize existing users by checking database users collection
 - c. Add email id to users collection of database
3. Test - Ensuring rules/format [assignee : nia | estimate : 2]
 - a. Password strength
 - b. Email Format
 - c. Interactions with the Firebase database
4. Save address in database [assignee : nia | estimate : 1]
 - a. Use firebase save methods to save information in database
 - b. Implement front end form
 - c. Use firebase client SDK to save data from the form

- i. `firebase.database().ref('/address').push(addressData)`

User Story #2 (Total: 12)

As a user, I want to be able to view posts about different services by filtering.

Tasks:

- 5. Post database [assignee : allison | estimate : 1]
 - a. Define endpoints
 - i. Post
 - ii. postID
 - iii. PostCreate
 - iv. postUpdate
 - v. postDelete
 - b. Assign HTTP methods for each endpoint
 - c. Use JSON to structure the post
 - d. Authentication
 - e. Connect API to a database
- 6. Filtering mechanism [assignee : | estimate : 3]
- 7. Scroll feature ? [assignee : | estimate : 1]
- 8. Design of posts [assignee : kat | estimate : 2]
- 9. Ability to add pictures etc .. (potential security threat) [assignee : nia | estimate : 2]
- 10. Comment section on posts [assignee : nia | estimate : 2]
- 11. Options on posts (to report etc) [kat : | estimate : 2]
- 12. Add ability to start chatting with someone if you like their post [assignee : nia | estimate : 1]

User Story #3 (Total: 7)

As a community user I want to post a service listing in the neighborhood so other members can request my services

Tasks:

- 13. Page to create own listing [assignee : allison | estimate : 2]
- 14. Template to create own listing [assignee : kat/arno | estimate : 2]
- 15. Filters / checkboxes / tags for types of services [assignee : allison | estimate : 2]
- 16. Add feature for other users to reply to my post if interested in my listing [assignee : allison | estimate : 1]

User Story #4 (total: 4)

As a community user I want to be able to communicate with other members of the app.

Tasks:

- 17. Page for chat directory [assignee : arno| estimate : 2]
- 18. Chatroom pages [assignee : kat| estimate : 2]

Team Roles/Initial Tasks:

Team member 1: user story, initial task

Nia Balaji (Product Owner, Developer): Task 3, 4

Elena Barnes(Developer): Task 2,

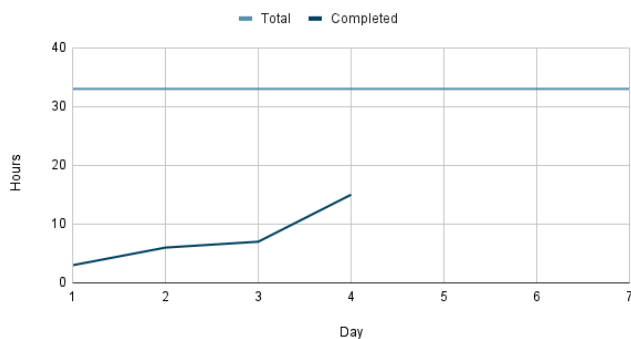
Allison Lund(Developer): Task 5, 13, 15, 16

Kat Pe Benito(Scrum Master, Developer):

Arnaud Saint-Pierre(Developer):

Initial Burnup Chart:

Burnup Chart



Initial Scrum Board:

User Story	Not Started	In Progress	Completed
User Story 1		Implement UI	
			MFA
	Test		
		Save Address	
User Story 2		Post Database	
		Filtering	
	Scroll feature		

			Design of Posts
	Add pictures		
	Comment section		
	Report post		
	Start chat		
User story 3			Make post page
	Template for listing		
	Filter checkboxes		
	Make reply		
User story 4	Chat directory		
	Chatroom pages		

Scrum Times:

Thursdays and Tuesdays 1:15 - 1:30 pm

Thursdays and Tuesdays 1:30 - 2:15 pm (with TA)

Wednesdays at 7 pm