

Sprint 1 Plan

<i>Product name:</i>	Mosaicly
<i>Team name:</i>	Mosaicly Team
<i>Sprint completion date:</i>	April 22nd, 2025
<i>Revision number:</i>	2
<i>Revision date:</i>	Apr 15th, 2025

Goal: To provide users basic account sign-up functionality and basic app navigation through all static pages.

User Stories and Tasks

1.1 Basic Functioning Application (3 tasks)

User Story: As a user, I want to see an application that will not crash or stall, and is able to have regular updates so I can use the application as it improves.

- **Task 1:** GitHub Setup and Standardizing Git Workflow ([Infrastructure](#))
 - Description: Set up Github repository and make sure it is clear how the Git workflow will work with the team
 - Time Estimate: 1 hour
- **Task 2:** Initialize and Setup SvelteKit Project ([Infrastructure](#))
 - Description: Set up SvelteKit to prepare for making the application
 - Time Estimate: 1 hour
- **Task 3:** Initialize and Connect Supabase to SvelteKit
 - Description: Set up Supabase and connect it to SvelteKit using keys
 - Time Estimate: 1 hour

1.2 Account System (3 tasks)

User Story: As a user, I want to have my own username, profile picture, and other profile information to be saved so that other users can see the information I want them to see from me.

- **Task 1:** Set Up Sign-Up and Sign-In Functionality in SvelteKit
 - Description: Write SvelteKit code to allow the user to log in and be authenticated through Supabase
 - Time Estimate: 2 hours
- **Task 2:** Set Up Postgres Database in Supabase to Hold User Information
 - Description: Create PostgreSQL tables in Supabase to hold User account information, user profile information, and basic canvas information
 - Time Estimate: 3 hours
- **Task 3:** Postgres Database User Adding Trigger
 - Description: Create PostgreSQL triggers in Supabase to populate the User account and profile tables with information after being authenticated in the Auth table
 - Time Estimate: 3 hours

1.3 Secure Signup and Login Functionality (1 Task)

User Story: As a paranoid user, I want to be able to sign up and sign in to the application securely with my email and password so that I do not have to worry about getting my passwords compromised by malicious attacks.

- **Task 1:** Set Up Secure Supabase Authentication in SvelteKit
 - Description: Generate authentication keys on Supabase and connect this to Sveltekit's authentication code
 - Time Estimate: 2 hours

1.4 All App Pages and Canvas UI (9 Tasks)

User Story: As a user, I want to see a home screen, profile page, a sign-up page, and a canvas to draw on, all with an organized layout, so I can navigate the application easily.

- **Task 1:** Design System on Figma
 - Description: Create color schemes and reused designs for the application
 - Time Estimate: 1 hour
- **Task 2:** Home Screen UI on Figma
 - Description: Create UI design for the home screen on Figma
 - Time Estimate: 1 hour
- **Task 3:** Profile Page UI on Figma
 - Description: Create UI design for the profile customization page on Figma
 - Time Estimate: 1 hour
- **Task 4:** Account Creation and Login UI on Figma
 - Description: Create UI design for the account creation and login page on Figma
 - Time Estimate: 1.5 hours

- **Task 5:** Canvas UI on Figma
 - Description: Create UI design for the canvas drawing page on Figma
 - Time Estimate: 1 hour
- **Task 6:** Home Screen UI on Svelte
 - Description: Use the UI design on Figma to create the same home screen design on Svelte
 - Time Estimate: 2 hours
- **Task 7:** Profile Page UI on Svelte
 - Description: Use the UI design on Figma to create the same profile customization page design on Svelte
 - Time Estimate: 2 hours
- **Task 8:** Account Creation and Login UI on Svelte
 - Description: Use the UI design on Figma to create the same account creation and login page design on Svelte
 - Time Estimate: 2 hours
- **Task 9:** Canvas UI on Svelte
 - Description: Use the UI design on Figma to create the same canvas page design on Svelte
 - Time Estimate: 2 hours

Team Roles

- **Brighton A:** Scrum Master, Developer
- **Lemon F:** Product Owner, Developer
- **Shreyansh K:** Developer
- **Kenric T:** Developer
- **Brendan T:** Developer

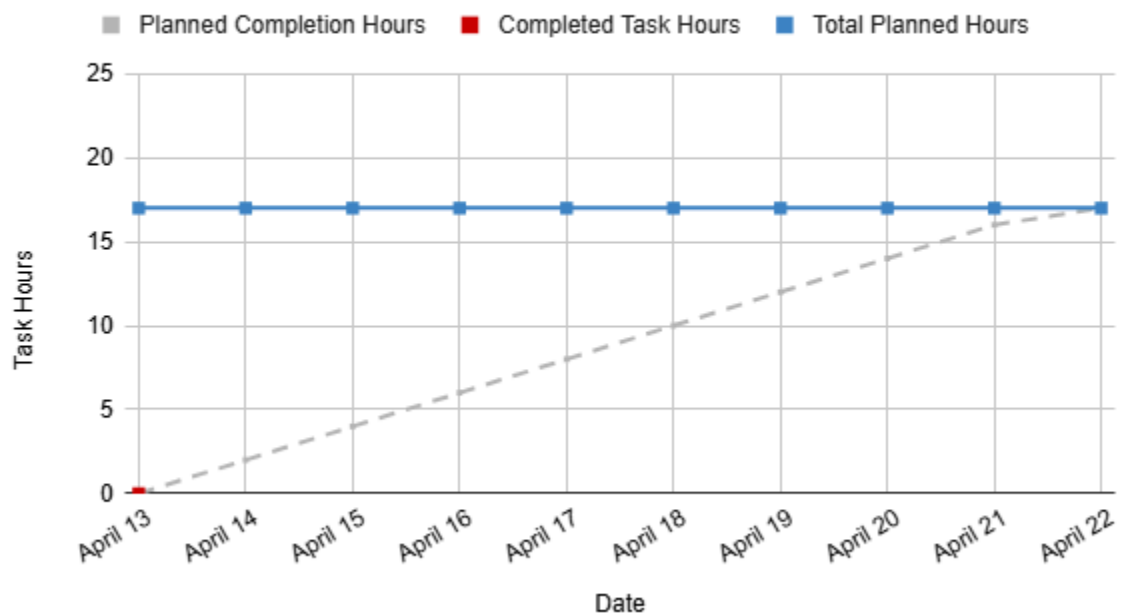
Initial Task Assignment

- **Brighton A:**
 - User Story 1.2: Account System
 - Task 2: Set Up Postgres Database in Supabase to Hold User Information
- **Lemon F:** Product Owner, Developer
 - User Story 1.4: All App Pages and Canvas UI
 - Task 1: Design System on Figma
- **Shreyansh K:**
 - User Story 1.1: Basic Functioning Application
 - Task 2: Initialize and Setup SvelteKit Project

- **Kenric T:**
 - User Story 1.1: Basic Functioning Application
 - Task 3: Initialize and Connect Supabase to SvelteKit
- **Brendan T:**
 - User Story 1.3: Secure Signup and Login Functionality
 - Task 1: Set Up Secure Supabase Authentication in SvelteKit

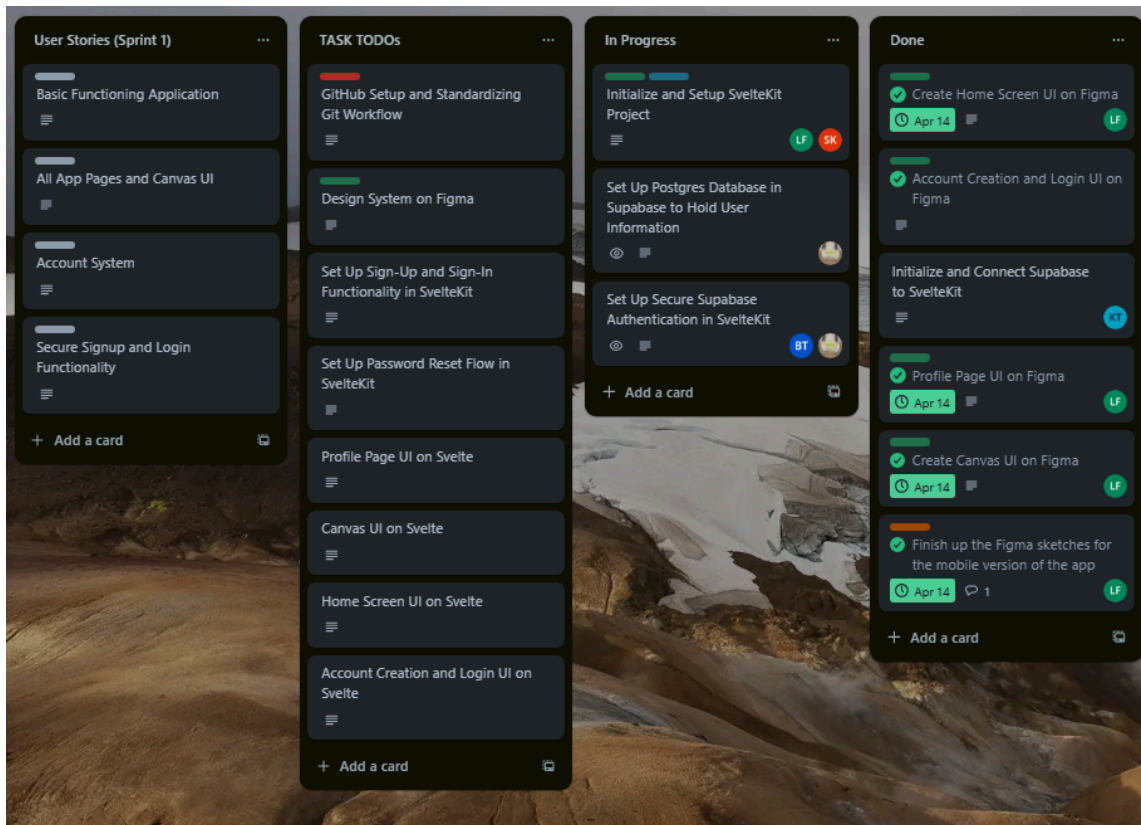
Initial Burnup Chart

Mosaicy Burnup Chart (Sprint 1 Tasks)



Initial Scrum Board

Note: The following is the Scrum Board as of April 15, 2025



Scrum Times

Meeting 1: Monday, 9:00 AM - 10:15 AM

Meeting 2: Wednesday, 9:00 AM - 10:15 AM

Meeting 3 (with TA Shuran Sun): Saturday 3:00 PM - 4:00 PM