**StyleSync – Collaborative Mood Boards for Creative Team**

**Sprint Implementation 1**

**PROG8751 - Spring 2025 - Section 5**

Sprint Duration  
 May 27 – June 10, 2025

Professor

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# Sprint Goal (Sprint 1)

To build the core MVP architecture for StyleSync, including setting up the development environment, integrating Firebase authentication, and creating a basic drag-and-drop interface with a responsive UI shell.

# Sprint Objectives

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| --- | --- | --- |
| **Goal** | **Description** | **Status** |
| Firebase Project Setup | Initialize Firebase and configure Google/GitHub authentication | ✅ Completed |
| Basic Drag & Drop UI | Implement front-end drag-and-drop interactions (prototype) | ✅ Completed |
| Authentication Screens | Develop login UI with OAuth integration for Google/GitHub | ✅ Completed |
| Team Feedback Integration | Validate prototype with at least 3 classmates | ✅ Completed |

# Technical Stack

* Frontend: React (TypeScript), Tailwind CSS
* Authentication & Hosting: Firebase
* UI Animation: Framer Motion
* Drag-and-Drop: React-DnD
* Version Control & Deployment: GitHub & Vercel

# Task Breakdown

## 1. Project Setup

* Initialized React + TypeScript template using CRA.
* Installed key dependencies: firebase, react-dnd, framer-motion.
* Configured Firebase project:
* Enabled the Google and GitHub sign-in methods.
* Created firebase.ts configuration for environment linking.

## 2. Authentication Implementation

* Created AuthPage.tsx with UI components for Google/GitHub sign-in.
* Integrated Firebase Authentication SDK.
* Error handling for popup closure and auth rejections.
* Tested across browsers for consistency.

## 3. Drag-and-Drop UI

* Built prototype for asset canvas using react-dnd.
* Assets are draggable UI blocks with placeholder interaction (no backend yet).
* Responsive layout designed using Tailwind CSS.
* Used useState and useEffect to manage dynamic canvas updates.

# Success Metrics Achieved

|  |  |  |
| --- | --- | --- |
| **Metric** | **Target** | **Outcome** |
| Firebase Project Configured | Fully functional setup | ✅ Achieved |
| Drag & Drop UI Validated | Feedback from 3 classmates | ✅ Achieved |
| Auth Flows Functional | Google & GitHub working | ✅ Achieved |

# Risk Management

|  |  |
| --- | --- |
| **Risk** | **Mitigation Strategy** |
| Firebase Auth delays | Used test mode and mock login data for development |
| UI performance lag (drag-drop) | Optimized rendering using useMemo hook |
| Team review delays | Enforced internal June 8th feedback deadline |

# Daily Goal Timeline

|  |  |  |
| --- | --- | --- |
| **Date** | **Focus Area** | **Outcome** |
| May 27–28 | Project Setup | Firebase + repo initialized |
| May 29–31 | Auth Screens | Google & GitHub working |
| June 1–3 | Drag-and-Drop UI | Canvas prototype built |
| June 4 | Peer Validation | Feedback from 3 classmates |
| June 5 | Documentation | Sprint 1 Report Prepared |

### 🔗 Project Resources

The essential resources for tracking progress, collaboration, and design reference throughout the sprint:

* **Jira Board** – Project Management and Task Tracking  
  <https://conestogac-team-fmzx2f7p.atlassian.net/jira/projects?page=1&sortKey=name&sortOrder=ASC>
* **GitHub Repository** – Codebase and Version Control  
  <https://github.com/prakashwale/StyleSync>
* **Figma Design File** – UI/UX Design and Wireframes  
    
  <https://www.figma.com/design/PQWO1owmhBT9Pc9PHrj8JQ/StyleSync?node-id=0-1&t=Hbh9YxGUqgeHglOA-1>
* **MS Teams Meeting-**

[Recap: Sprint 1 Discussion for Style Sync June 2](https://teams.microsoft.com/l/meetingrecap?driveId=b%21PP73VU1MW0GQHyMkt0oaIMzVhtTO-WVBjYIHuGug58Ef66SiB1fTTbNTzFGLw3l1&driveItemId=01FX3Q7IOC2P2UD77E25BZOB63IMF6VNKI&sitePath=https%3A%2F%2Fstuconestogacon-my.sharepoint.com%2F%3Av%3A%2Fg%2Fpersonal%2Fpkalidoss9436_conestogac_on_ca%2FEcLT9UH_5NdDlwfbQwvqtUgBbnCio5x1RPEGPpMFEYWrlA&fileUrl=https%3A%2F%2Fstuconestogacon-my.sharepoint.com%2F%3Av%3A%2Fg%2Fpersonal%2Fpkalidoss9436_conestogac_on_ca%2FEcLT9UH_5NdDlwfbQwvqtUgBbnCio5x1RPEGPpMFEYWrlA&iCalUid=040000008200e00074c5b7101a82e008000000003a428cffdad3db01000000000000000010000000086b38d6a9aee14eb543bd2e8ffc9ebb&threadId=19%3Ameeting_NzQxYTg3MzItYzFjYS00ODViLWJkZjYtYTQ2ZWZjNzhmZWJm%40thread.v2&organizerId=55afcfaf-bab2-4689-9204-65c98de9d1a1&tenantId=4ddd393a-e98a-4404-841f-c4becdd925a5&callId=670c83b0-693a-4d9a-a6bc-25eede25252e&threadType=Meeting&meetingType=Scheduled&subType=RecapSharingLink_RecapChiclet)

**Screenshot of firebase.ts(Database)**  
A screenshot of a computer program

AI-generated content may be incorrect.

# Screenshot of App.css A screen shot of a computer program AI-generated content may be incorrect.

Screenshot of index.css

A screen shot of a computer program

AI-generated content may be incorrect.