

## **Group Name: White Clover**

### **Sprint 1**

**Dates:** June 29 – July 5

#### **Team Information**

Product Owner: Vasanthal

Scrum Master: Michael

Developers:

- Christopher
- Kalil
- Spencer
- Yasmeen

UI Tester: Sharon

Stakeholders:

- Adventure seekers (end users)
- Instructor (Dr. Parizi)

Tech Stack:

- Flutter Web App deployed with Firebase
- Trello for online project management

#### **Sprint Forecast (from README)**

In this sprint, we planned to complete the following backlog items, totaling 6 story points.

Account Creation (2 points)

- Allowing users to create a database entity for their account.

Login (4 points)

- Implementing user authentication and token tracking so registered users can access their accounts.

These features are prerequisites for all other app functionality, such as editing profiles, matching, and messaging.

## **Sprint Goals Completed**

### Account Creation:

- Implemented initial account creation workflow in Flutter with Firebase Authentication.
- Created user records in the database.
- Basic password handling was set up, although hashing will be revisited for security improvements in a later sprint.

### Login:

- Developed login functionality using Firebase Authentication.
- Verified user tokens to ensure secure session management.
- Confirmed that registered users can log into their accounts and access the home screen.

Requirement	Status	Info
Sprint forecast & rationale	Complete	
Stories decomposed into tasks	Complete	Located in Backlog on Trello
Kanban board evidence	Complete	Located in Trello
Sprint burndown chart	Complete	Located in Trello
Daily Scrum documentation	Complete	
Pairing/mobbing evidence	Complete	Located in Git Repo
Test-first development (BDD/unit tests)	Complete	Located in Git Repo
Sprint review evidence	Complete	Located in Git Repo
Product increment & WIP app link	Partially Complete	

## **Problems Faced**

### Time Constraints:

- Since the sprint began on Thursday, the available time for development and testing was limited.

### Firebase Integration Delays:

- Some initial delays occurred while setting up Firebase Authentication and clarifying how to store additional user profile details alongside Firebase user records.

### Token Handling Complexity:

- Managing login token tracking and securing sessions required additional research and implementation effort, which took longer than estimated.

### Coordination Challenges:

- Aligning schedules among team members during the holiday weekend was occasionally difficult, which slowed progress on code reviews and testing. This will be made up for in the upcoming sprint.