Sprint 4 Plan

SportsFinder

Revision #1 - 03/04/25

Goal: Implement a messaging service that facilitates communication between players. Add the option to allow users to create pickup games for sports other than basketball on the map API.

User Stories

User Story 1 (4.1) - "As a user, I want to be able to report and flag incorrectly placed games so that all games created and placed on the map are accurate." Story Points - 5

> **Task 1.1 -** Add a "Report Game" button to the game details screen - 2 hours

> **Task 1.2 -** Create a Firestore collection to store reported games with relevant details - 3 hours

> **Task 1.3 -** Implement a system for marking games as "Under Review" or "Removed - 3 hours

User Story 2 (4.2): "As a user, I want to be able to message other players playing in my area so that I can easily communicate with other players looking to play a game." Story Points - 13

> **Task 2.1 -** Create a chat UI for players to send and receive messages: Time - 5 hours

> **Task 2.2 -** Set up a Firestore "chats" collection to store messages in real-time: Time - 3 hours

> **Task 2.3 -** Implement real-time message updates using Firestore listeners: Time - 5 hours

> **Task 2.4 -** Enable push notifications for new messages received: Time - 2 hours

User Story 3 (4.3): "As a user, I want to be able to create games to play other than basketball so that I can participate in a variety of sports and activities." Story Points - 5

> **Task 3.1 -** Add a drop-down menu in the "Create Game" screen for selecting different sports: Time - 3 hours

> **Task 3.2 -** Update the Firestore "games" collection to store the selected sport type: Time - 3 hours

> **Task 3.3 -** Modify the map screen to filter and display games based on the sport type: Time - 5 hours

Total Time: 32 hours

Team role:

Niklesh: Frontend developer

Leo: Backend developer

Yagnesh: Frontend developer

Nathan: Backend developer

Dylan: Frontend developer

Initial Task Assignment:
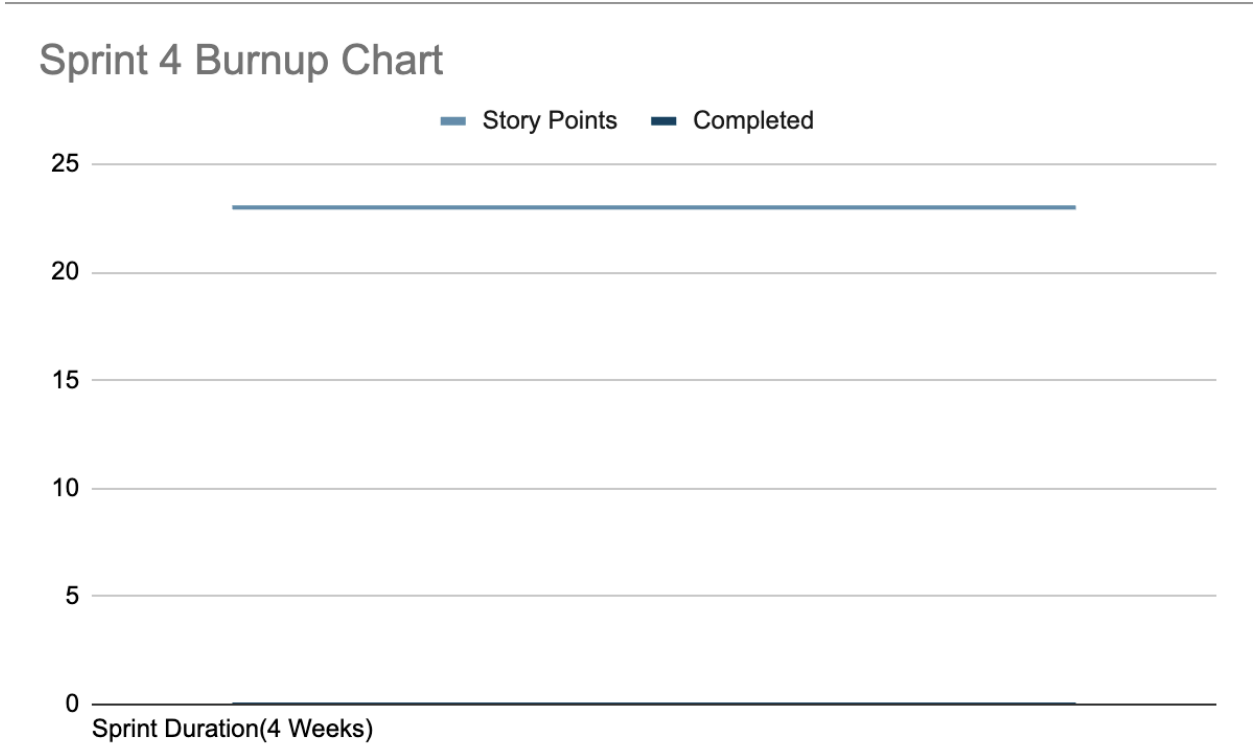
Niklesh: Task 3.1, Task 2.1

Leo: Task 1.2, Task 3.2

Yagnesh: Task 1.1, Task 2.1

Nathan: Task 1.2, Task 2.2

Dylan: Task 3.2, Task 2.2, Task 2.3, Task 2.4

Initial burnup chart:

Sprint 4 Burnup Chart

— Story Points — Completed

25	
20	
15	
10	
5	
0	

Sprint Duration(4 Weeks)

Initial scrum board:

User Stories	Tasks not started	Tasks in progress	Tasks completed
User Story 1:	Task 1.1 Task 1.2 Task 1.3 Task 1.4		
User Story 2:	Task 2.1 Task 2.2 Task 2.3 Task 2.4		
User Story 3:		Task 3.3	Task 3.1 Task 3.2

Scrum times:

TA Meeting: Monday 12:30 pm - 1:30 pm

Scrum Meeting: Every Wednesday and Friday at 6 pm