

Sprint 1 Plan

Product: Soccer Match Predictor

Team: Forecast FC

Release Name: MVP for Soccer Match Predictor

Release Date: 7/24/2024

Revision Number: 1

Revision Date: 7/7/2024

Goal:

- Collect and clean the match data for the 18 Bundesliga teams from the past 3 seasons and have it ready for a machine learning algorithm.
- Also have the basic frontend work complete where all of the 18 teams are available for selection.
- Initial research and development of a prediction model.

Task Listing:

- User Story 1: As a user I want to be able to select a Bundesliga club, so that I can see who they will be playing against this season.
 - A. Task 1: Develop a UI skeleton to display the 18 possible teams. [4 pts]
 - B. Task 2: Style UI and mock methods for connection to a backend AI model. [3 pts]
 - C. Task 3: Deploying base frontend material to Github. [1 pt]
- User Story 2: As a user I want to be able to view the upcoming 2024-2025 Bundesliga schedule so that I can plan my schedule accordingly.
 - A. Task 1: Find the 2024-2025 Bundesliga Schedule. [1 pt]
 - B. Task 2: Convert the PDF schedule to CSV files (matchday/team). [4 pts]
 - C. Task 3: Push calendars to Git for frontend work. [1 pt]
- User Story 3: As a sports gambler, I want to be able to predict the outcome of matches so that I can make smarter betting decisions.
 - A. Task 1: Gather match data for each team for every league match played over the last 3 seasons. [2 pts]
 - B. Task 2: Clean gathered data and determine what specific statistics will be used to train the model. [4 pts]
 - C. Task 3: Begin research on Scikit-learn models that best fit the scope of this project. [2 pts]
 - D. Task 4: Begin initial development of a basic prediction model. [4 pts]

Team Roles:

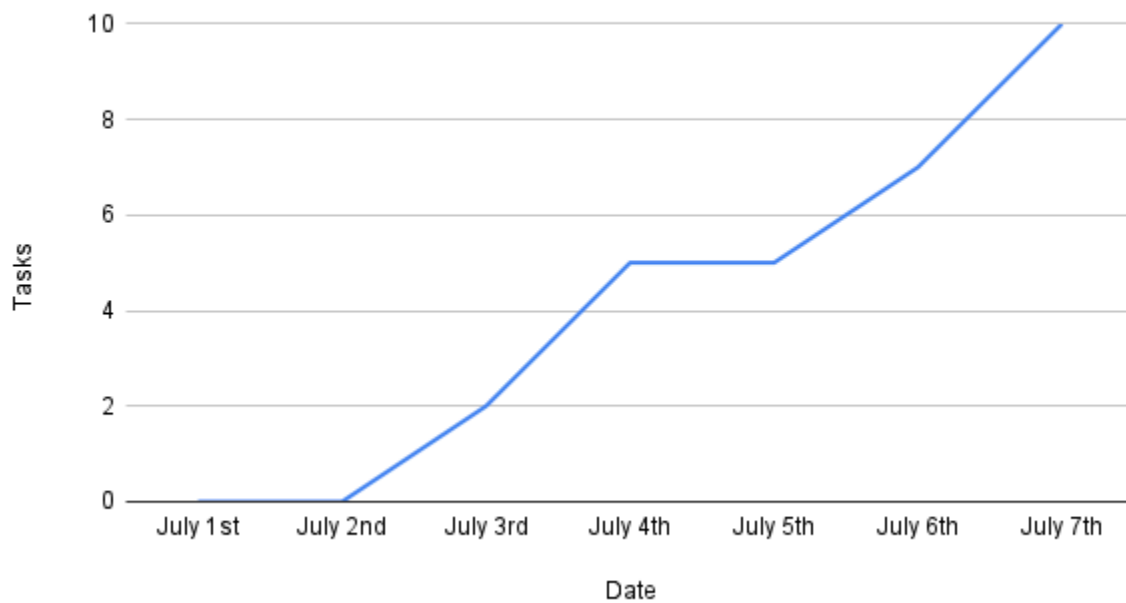
- Joath Carrera: {Product Owner, Developer}
- Dmitry Pleshkov: {Scrum Master, Developer}
- Jihang Li: {Developer}
- Sergio Casarrubias: {Developer}
- Siyao Li: {Developer}

Initial Task Assignment:

- Joath Carrera: US2 T1 & T2
- Dmitry Pleshkov: US1 T1 & T2 & T3
- Jihang Li: US3 T1 & T2
- Sergio Casarrubias: US3 T3 & T4
- Siyao Li: US3 T3 & T4

Initial Burnup Chart:

Soccer Match Predictor Sprint 1 Burn Up Chart



Initial Scrum Board:

The Scrum Board is organized into four columns: **User Stories**, **Tasks**, **In Progress**, and **Done**. Each column has a header with a title and a menu icon (three dots). Below the headers, there are buttons to "Add a card" and a trash icon.

User Stories Column:

- User Story 1: As a user I want to be able to select a Bundesliga club, so that I can see who they will be playing against this season. (Assignee: DP)
- User Story 2: As a user I want to be able to view the upcoming 2024-2025 Bundesliga schedule so that I can plan my schedule accordingly. (Assignee: JC)
- User Story 3: As a sports gambler, I want to be able to predict the outcome of matches so that I can make smarter betting decisions. (Assignees: SC, SL, JL)

Tasks Column:

- Task 1: Develop a UI skeleton to display the 18 possible teams. (Assignee: DP)
- Task 2: Style UI and mock method... for connection to a backend AI model. (Assignee: DP)
- Task 3: Deploying base frontend material to Github (Assignee: DP)
- Task 1: Find the 2024-2025 Bundesliga Schedule (Assignee: JC)
- Task 2: Convert the PDF schedule to CSV files (matchday/team) (Assignee: JC)
- Task 3: Push calendars to Git for frontend work (Assignee: JC)
- Task 1: Gather match data for each team for every league match played over the last 3 seasons. (Assignee: JL)
- Task 2: Clean gathered data and determine what specific statistics will be used to train the model (Assignee: JL)
- Task 3: Begin research on Scikit-learn models that best fit the scope of this project. (Assignees: SC, SL)
- Task 4: Begin initial development of a basic prediction model. (Assignees: SC, SL)

In Progress Column:

Done Column:

Scrum Times (Subject to Change):

- Monday: 12:45 - 1:00
- Wednesday: 12:45 - 1:00
- Friday: 3:00 - 3:15 (TA attends)