

## Sprint 2 Report

Product Name: Soccer Match Predictor

Team Name: Forecast FC

Date: 7/15/2024

### 1. **Actions to stop doing:**

- There are no current actions that the team needs to stop doing. Our group is satisfied with our process as all team members know the work they should be doing and have gotten it done just in time for Sprint 3.

### 2. **Actions to start doing:**

- The team should schedule more in-person group work sessions, ideally after class as we are in the final stages of the project and are getting it ready for release.

### 3. **Actions to keep doing:**

- The team should continue to notify the group of any pushes to the Github repository so that everyone knows to pull before doing anything in order to avoid any merge conflicts.
- The team should continue communicating through the discord about any questions regarding the scope of the project so that everyone is able to get on the same page.

### 4. **Work completed/not completed:**

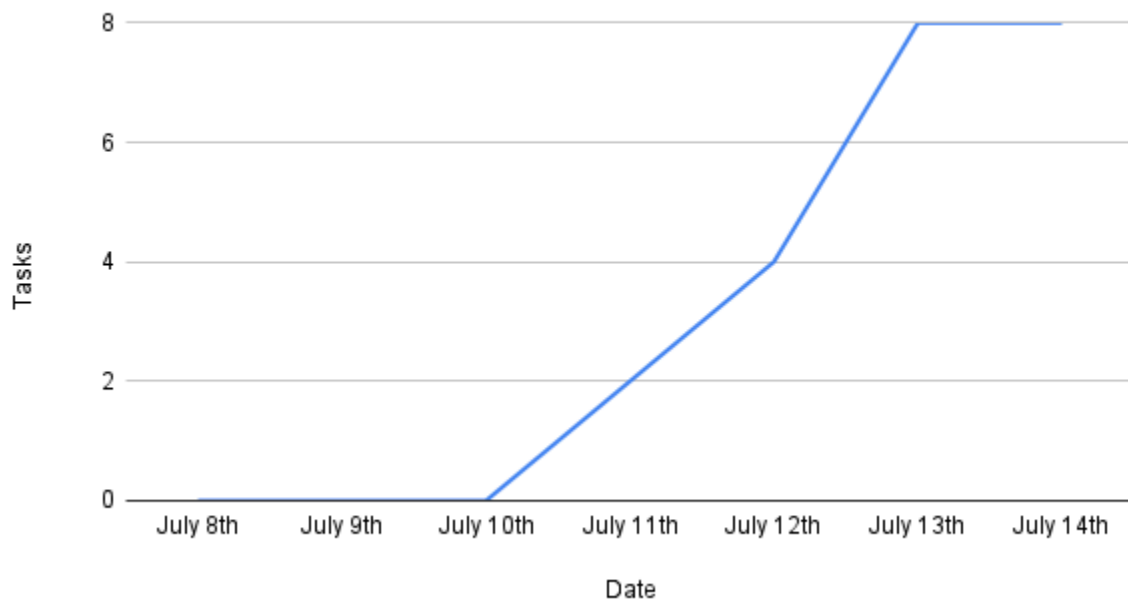
- User Story 1:
  - A. Task 1: Completed
  - B. Task 2: Completed
- User Story 2:
  - A. Task 1: Completed
  - B. Task 2: Completed
  - C. Task 3: Completed
- User Story 3:
  - A. Task 1: Completed
  - B. Task 2: Completed
  - C. Task 3: Completed

### 5. **Work Completion Rate:**

- Total number of user stories completed during prior sprint:
  - A. 3 User Stories
- Total number of estimated ideal work hours completed during the sprint:
  - A. Joath Carrera: 5 hrs
  - B. Dmitry Pleshkov: 4 hrs
  - C. Jihang Li: 8 hrs
  - D. Sergio Casarrubias: 6 hrs

- E. Siyao Li: 5 hrs
- Total number of days during the prior sprint.
  - A. 7 days
- The user stories/day and ideal work hours/day.
  - A. User stories/day =  $3/7 = 0.429$
  - B. Work hours/day =  $28/7 = 4$
- Average user stories/day and average ideal work hours/day
  - A. Average user stories/day = 0.429
  - B. Average ideal work hours/day = 4.929

Soccer Match Predictor Sprint 2 Burn Up Chart



Match Predictor Scrum Board Sprint 2

Workspace visible

Board

User Stories

User Story 1: As a user, I want to be able to view the team calendar for my club of choice to see the hardest stretch of matches.

DPSC

User Story 2: As a user, I want to be able to view the head-to-head record of a fixture to get an idea of the competitive nature between two clubs

JC

User Story 3: As an analyst, I want to be able to compare my own predictions with the predictions of a machine learning model to see how realistic it can be.

JLSL

+ Add a card

Tasks

+ Add a card

In Progress

+ Add a card

Done

Task 1: Integrate team calendars for each Bundesliga club. (Clicking on any club should reveal their 34 matchday schedule)

DP

Task 1: Obtain the head-to-head statistics for each fixture.

JC1

Task 2: Convert head-to-head reports into CSV files.

JC

Task 3: Push reports to Github for frontend use.

JC

Task 2: Integrate matchday calendars for the entire 2024-2025 Bundesliga schedule. (Option to view the entire schedule at once. )

SC

Task 2: Trying out Random Forest Classifier and Random Forest Regressor.

JL

Task 2: Compare different models on accuracy based on test data.

SLJL

Task 1: Continue development of Linear Regression model to predict expected goals

JL

Task 3: Decide on a model/implementation to fine-tune for sprint 3.

SLJL

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