

Sprint 2 Plan

Product Name: MoCode

Team Name: MoCoders

Sprint Completion Date: February 13, 2024

Revision Number: 3

Revision Date: March 12, 2024

Goal

The high-level goal of *Sprint 2* is to build up from the barebones of the previous Sprint. Integrate a suggestion algorithm and work with user statistics. We will build our user interface and build the foundational features of our project. We want to create our data layout and start working with our web scraper to get problems.

Task Listing

- [2.1] As a returning user, I want to have access to questions that are recommended to me based on my progress on past questions. (8 pts) [20 hrs]
 - Start building our algorithm to obtain recommendations for a user
 - Task(s):
 - Work on a web scraper
- [2.2] As a user who wants to enter contests, I want problems that would help me achieve that goal. (8 pts) [10 hrs]
 - Have a timer feature and statistics for a user to collect relevant information.
 - Task(s):
 - Integrate Statistics and Performance Actions (Start Timer, Pause, Complete Problem, etc.)
- [2.3] As a user who struggles with consistency, I want to solve problems of progressive difficulty because I want to build momentum to practice regularly. (10 pts) [10 hrs]
 - Have a refresh recommendation system so that a user can consistently suggest a new batch of problems (w/ repeats - spaced repetition)
 - Task(s):
 - Work with integrating our recommendation with the website
 - Decide how to store user probabilities for the recommendation model

Team Roles

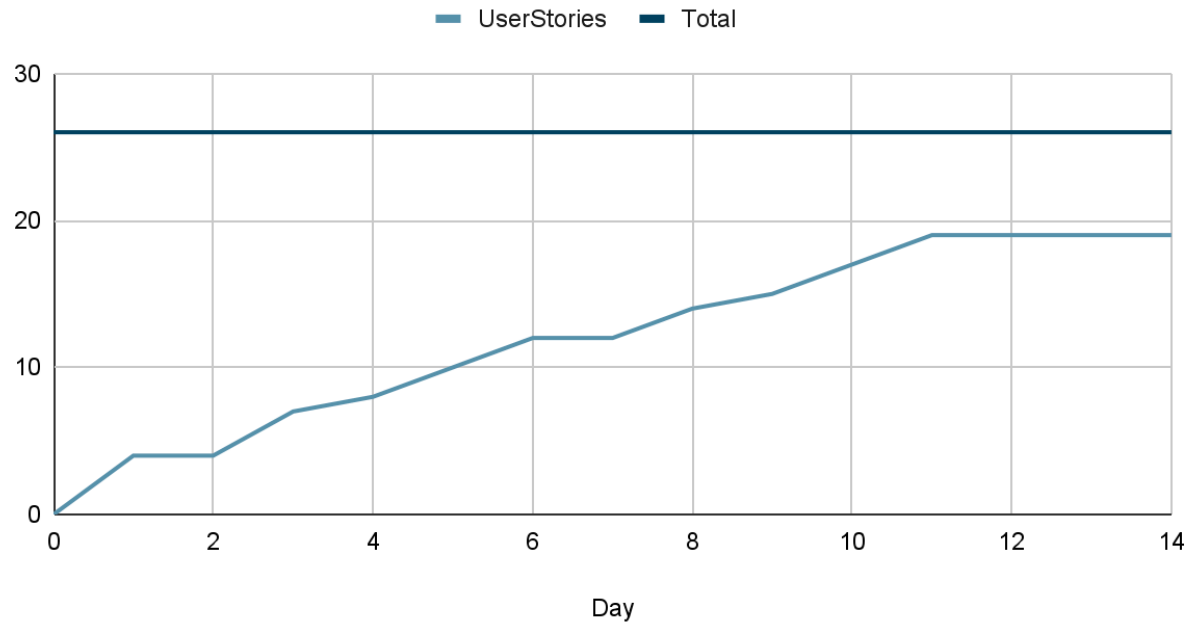
Team Member	Role
Anish Kumar	Developer
Camille Gandotra	Scrum Master
Ezekiel Norman	Project Owner
Samik Pradhan	Developer
Sree Chinta	Developer

Initial Task Assignment

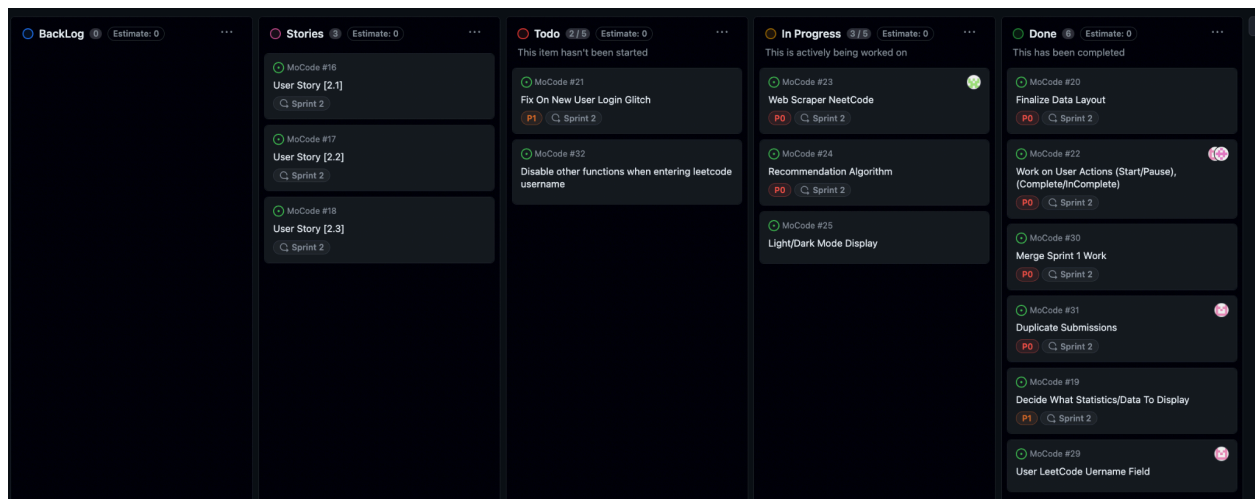
Team Member	User Story	Task
Anish Kumar	<ul style="list-style-type: none"> • [2.2] • [2.3] 	<ul style="list-style-type: none"> • Integrate Statistics and Performance Actions (Start Timer, Pause, Complete Problem, etc.) • Work with integrating our recommendation with the website
Camille Gandotra	<ul style="list-style-type: none"> • [2.2] • [2.3] 	<ul style="list-style-type: none"> • Integrate Statistics and Performance Actions (Start Timer, Pause, Complete Problem, etc.) • Work with integrating our recommendation with the website
Ezekiel Norman	<ul style="list-style-type: none"> • [2.1] • [2.3] 	<ul style="list-style-type: none"> • Work on the webscraper • Upgrade algorithm to have a good recommendation system, store user history to aid in recommendations
Samik Pradhan	<ul style="list-style-type: none"> • [2.2] • [2.3] 	<ul style="list-style-type: none"> • Integrate Statistics and Performance Actions (Start Timer, Pause, Complete Problem, etc.) • Work with integrating our recommendation with the website
Sree Chinta	<ul style="list-style-type: none"> • [2.2] • [2.3] 	<ul style="list-style-type: none"> • Integrate Statistics and Performance Actions (Start Timer, Pause, Complete Problem, etc.) • Work with integrating our recommendation with the website

Initial BurnUp Chart

Sprint 2 Burn Up Chart



Initial Scrum Board



Scrum Times

- 1) Sundays @ 2:00 pm - 3:00 pm
- 2) After Class StandUps

3) TA Meeting - Thursdays @ 9:30 am - 10:15 am