

Sprint 4 Report

CSE 4316

Aryan Mainkar

December 5th, 2023

Sprint start date: November 18th, 2023
Sprint end date: December 5th, 2023
Project title: Find My Covid
Team name: Covid Catchers
Team Members: Dev Naganoolil
Aryan Mainkar
Muhammad Zuhaimi
Muhammad Zaharudin
Instructor: Christopher Conly

1 Sprint Goal

Sprint goal: Further development of React Web app, focusing on feature implementation and user interface improvements.

2 Sprint Backlog

Task Description	Actual Work (hours)	Percent Complete
Research Tools	5.0	100%
- Investigating various APIs for integration	2.5	100%
- Documenting findings and possible challenges	2.5	100%
Start on React App	20.0	60%
- Initial setup and configuration of React environment	6.0	100%
- Developing basic UI components	8.0	50%
- Integrating first set of APIs	6.0	30%
Create Sprint Planning and Sprint Testing Presentations	1.0	50%
- Outlining key points for Sprint Planning presentation	0.5	100%
- Drafting initial slides for Sprint Testing presentation	0.5	0%
TOTAL	26.0	65%

3 Individual Time Expenditures

Task Description	Actual Work (hours)	Percent Complete
Implement User Authentication	12.0	80%
- Research and select authentication library	4.0	100%
- Implement authentication flow in React app	8.0	60%
Enhance UI/UX Design	18.0	90%
- Refine existing UI components	6.0	80%
- Implement user feedback improvements	8.0	100%
- Conduct usability testing	4.0	80%
Integrate Additional Data Sources	20.0	80%
- Identify and connect new APIs	10.0	70%
- Test and troubleshoot data integration	10.0	90%
Create Sprint Review Presentation	2.5	85%
- Summarize key achievements and challenges	1.5	90%
- Develop slides for demonstration	1.0	80%
TOTAL	52.5	85%

4 Team Burndown Chart

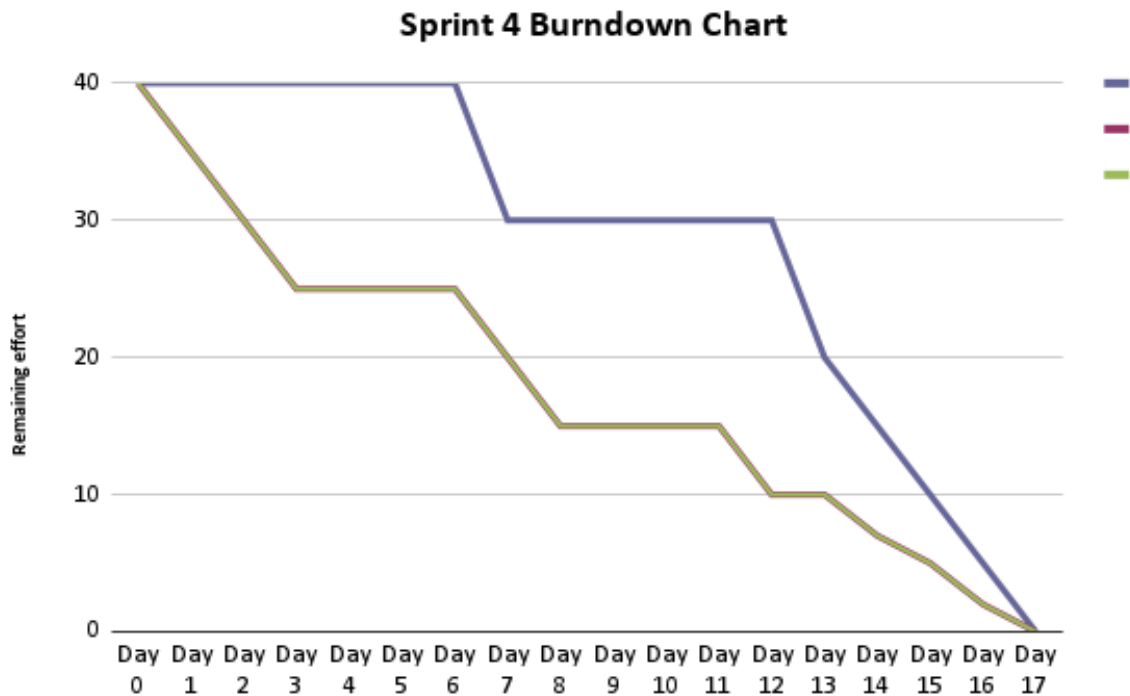


Figure 1: Sprint 4 Burndown Chart

5 Individual Retrospective

Reflection on the tasks and personal performance during Sprint 4:

Challenges Faced:

- Overcoming authentication implementation complexities.
- Balancing design enhancements with the need for timely feature implementation.

Learning Points:

- Improved skills in implementing user authentication in a React app.
- Gained insights into effective UI/UX design iteration and testing.

Looking Forward:

- Continue refining UI based on user feedback.
- Prioritize thorough testing of integrated data sources for reliability.

Actions for Next Sprint:

- **Start:** Early planning for the next sprint's features and improvements.
- **Stop:** Procrastination on challenging tasks; address them promptly.
- **Continue:** Collaborating effectively with team members for problem-solving.

6 Peer Review

Provide a review for each individual team member's performance during this sprint, including yourself. This review should be your own candid opinion. Each item should be assigned a numeric grade of 1-5, where 1 is the lowest possible score and 5 is the highest.

Evaluation items:

- Participation - Was the team member present during meetings, work sessions, or any other planned team activities? Did they actively contribute to the development of the project?
- Communication - Did the team member provide timely updates on progress or challenges faced? Did they use any official team communication technologies effectively?
- Work quality - Was the team member willing to claim tasks from the backlog? Did the work reported by the team member provide added value to the project? If bugs were present or features were skipped, how severe was the negative impact?
- Professionalism - Did the team member conduct themselves in a way that would generally be acceptable in a professional work environment while participating in team activities? Were they respectful of their teammates? Are they taking the project seriously?
- Overall - How valuable overall was this team member to the project during this evaluation period?
You may

Team member name	Participation	Communication	Professionalism	Work quality	Overall
Aryan Mainkar	5	4	5	4	5
Dev Naganoolil	4	5	4	5	5
Muhammad Zuhaimi	4	5	4	5	5
Muhammad Zaharudin	4	5	4	5	4