Team Big Data

Project Plan

Date: 12/6/2022

Team Leader: Joseph Armas
Team Members: Joshua Gherman
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Git Repository: https://github.com/JosephArmas/cecs-491A-Team-Big-Data

Version History

Current Version: V4

CHANGES

- Modified
    - Road Map to extend Milestone 7
    - Gantt Chart to include AWS setup and deployments
    - Feasibility and Risk Mitigation Strategies
    - Acceptable Levels of Risk

Previous Versions: V1, V2, V3

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Road Map

Total Project Timeline: August 22, 2022 - May 7, 2023

Total Sprints: 24

Total Hours: 976 hours

Hours per Week: 40 hours

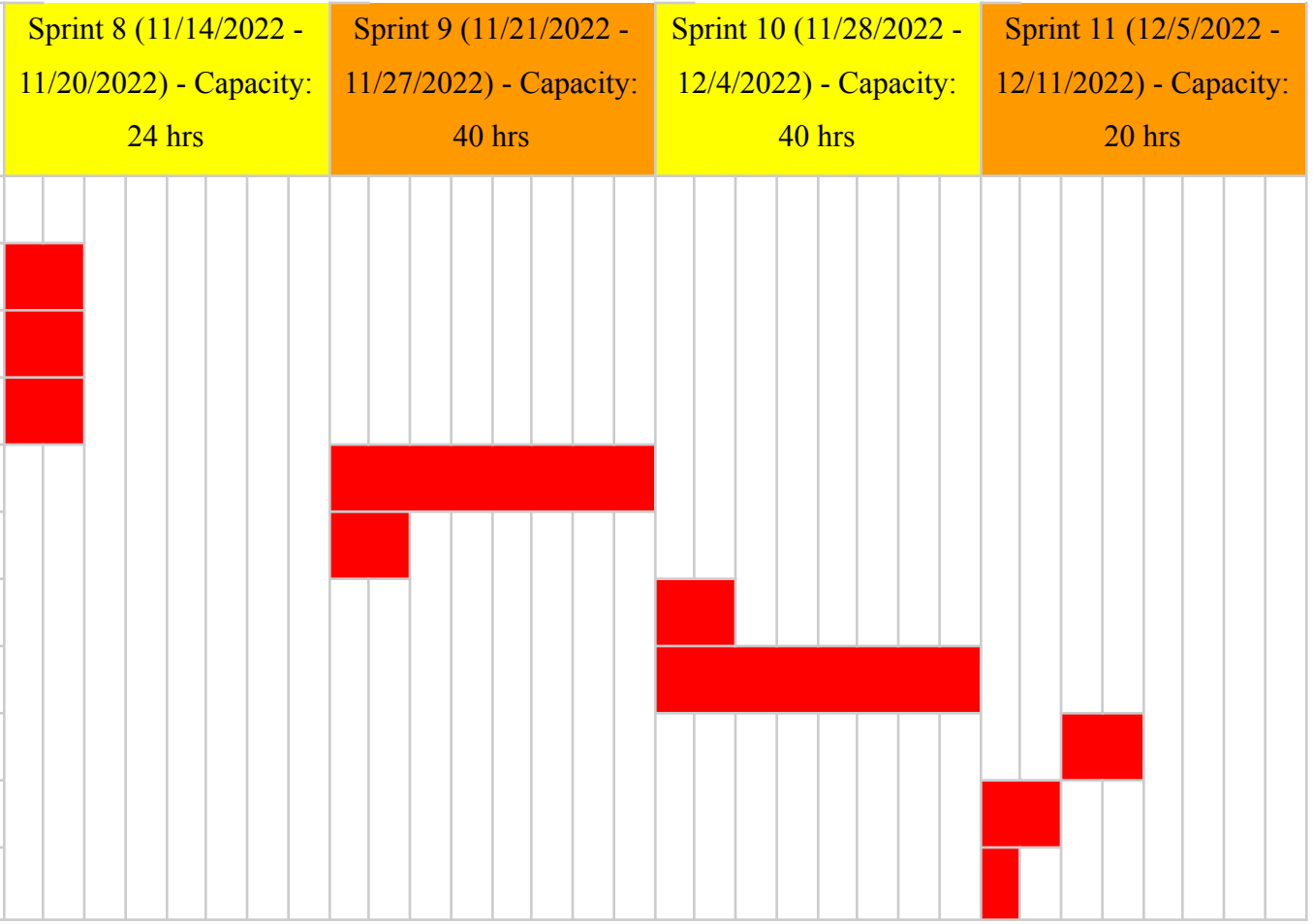
Every column is a week		November				December				January				February				March				April					May	
Semester #	Milestone Item																											
1	3) Account Security Part 1 Includes: Authentication, Authorization, Log out, User types, BoM			Milestone 3 (11/14/22 - 12/11/22)																								
2	4) Account Security Part 2 Includes: Account Recovery, Account Deletion, User Management										Milestone 4 (1/23/23 - 2/19/23)																	

	5) UI Includes: UI, Litter Map, Analytics															Milestone 5 (2/20/23 - 3/19/23)										
	6) App Features Part 1 Includes: Pinning, Alerts, Reputation																			Milestone 6 (3/20/23 - 4/16/23)						
	7) App Features Part 2 Includes: Events, Picture Upload, User Service																							Milestone 7 (4/17/23 - 4/23/23)		

Gantt Chart

Semester 1:

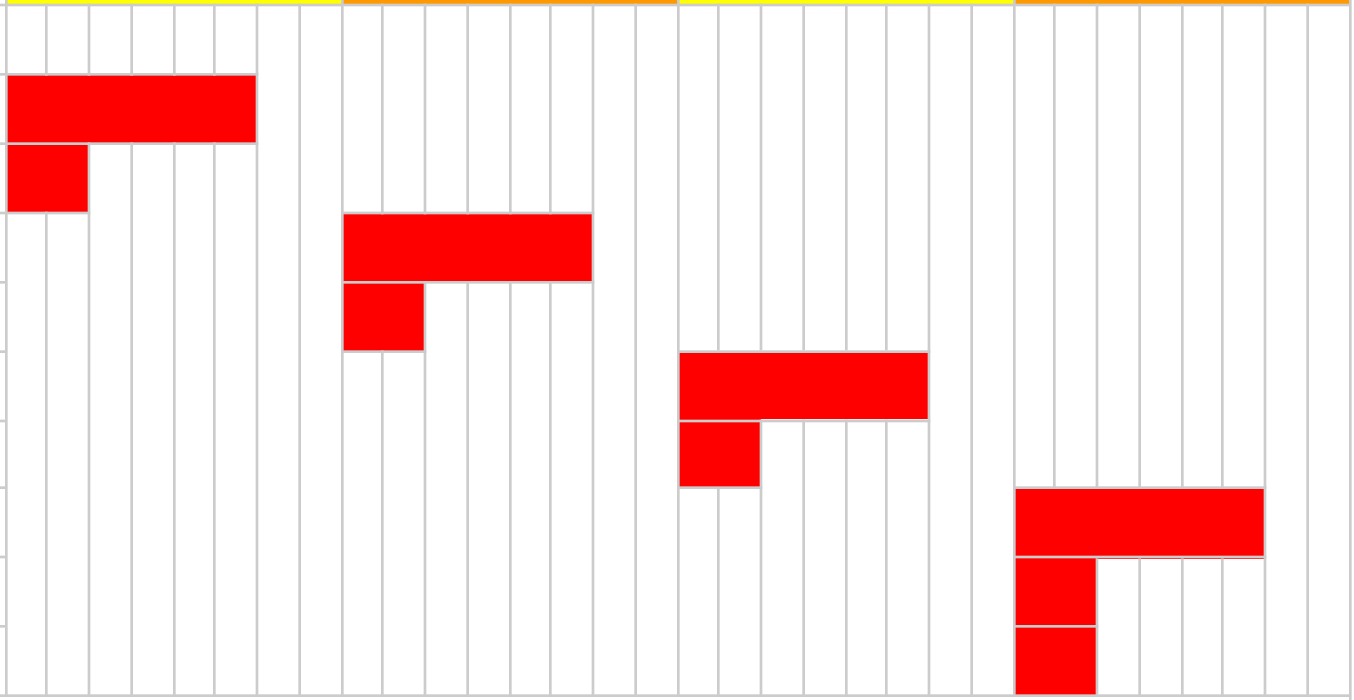
	4 Hours per column	Sprint 8 (11/14/2022 - 11/20/2022) - Capacity: 24 hrs	Sprint 9 (11/21/2022 - 11/27/2022) - Capacity: 40 hrs	Sprint 10 (11/28/2022 - 12/4/2022) - Capacity: 40 hrs	Sprint 11 (12/5/2022 - 12/11/2022) - Capacity: 20 hrs
Work Item:	Assigned To:				
1. Log Out LLD 8hrs					
2. Authentication LLD 8hrs					
3. Authorization LLD 8hrs					
4. Authentication Code 32hrs					
5. Dar Reports					
6. User Types Code 8hrs					
7. Authorization Code 32hrs					
8. Log Out Code 8hrs					
9. Registration Code 8hrs					
10. BoM 8hrs					



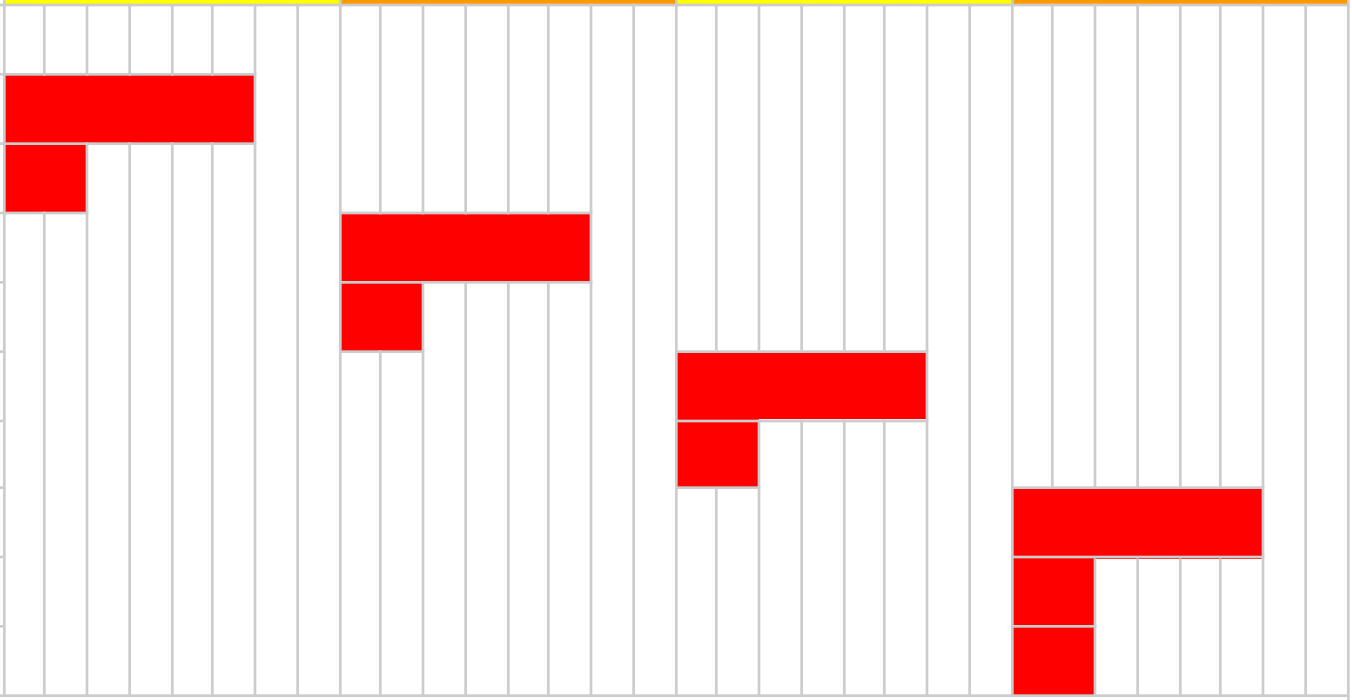
Semester 2:

	4 Hour per column	Sprint 12 (1/23/2023 - 1/29/2023) - Capacity: 24 hrs	Sprint 13 (1/30/2023 - 2/5/2023) - Capacity: 40 hrs	Sprint 14 (2/6/2023 - 2/12/2023) - Capacity: 40 hrs	Sprint 15 (2/13/2023 - 2/19/2023) - Capacity: 48 hrs
Work Item :	Assigned To:				
11. Set up AWS Production Enviornment 16hrs					
12. Account Recovery LLD 8 hrs					
13. Account Recovery Code 32hrs					
14. Account Deletion LLD 8hrs					
15. Account Deletion Code 32hrs					
16. User Management LLD 8hrs					
17. User Management 32hrs					
18. Deploy Code to AWS 8hrs					
19. UI LLD 8hrs					

	4 Hour per column	Sprint 16 (2/20/2023 - 2/26/2023) - Capacity: 40 hrs	Sprint 17 (2/27/2023 - 3/5/2023) - Capacity: 40 hrs	Sprint 18 (3/6/2023 - 3/12/2023) - Capacity: 40 hrs	Sprint 19 (3/13/2023 - 3/19/2023) - Capacity: 48 hrs
Work Item :	Assigned To:				
20. UI 32hrs					
21. Analytics LLD 8hrs					
22. Analytics 32hrs					
23. Litter Map LLD 8hrs					
24. Litter Map 32hrs					
25. Pinning LLD 8hrs					
26. Pinning 32hrs					
27. Deploy Code to AWS 8hrs					
28. Alerts LLD 8hrs					



	4 Hour per column	Sprint 20 (3/20/2023 - 3/19/2023) - Capacity: 40 hrs	Sprint 21 (3/27/2023 - 4/2/2023) - Capacity: 40 hrs	Sprint 22 (4/3/2023 - 4/9/2023) - Capacity: 40 hrs	Sprint 23 (4/10/2023 - 4/16/2023) - Capacity: 48 hrs
Work Item :	Assigned To:				
29. Alerts 32hrs					
30. Reputation LLD 8hrs					
31. Reputation 32hrs					
32. Events LLD 8hrs					
33. Events 32hrs					
34. Picture Upload LLD 8hrs					
35. Picture Upload 32hrs					
36. User Services LLD 8hrs					
37. Deploy Code to AWS 8hrs					



	4 Hour per column	Sprint 24 (4/17/2023 - 4/23/2023) - Capacity: 40 hrs	Sprint 25 (4/24/2023 - 4/30/2023) - Capacity: 0 hrs	Sprint 26 (5/1/2023 - 5/7/2023) - Capacity: 0 hrs
Work Item :	Assigned To:			
38. User Services 32hrs				
39. Deploy Code to AWS 8hrs				

Team Work Capacity

Total number of team members: 6

Member	Ghabrille	David	Rhoy	Joseph	Josh	Frank
Hours Per week	8	8	8	8	8	8

Total Team Capacity Per Week: 48 hours

Feasibility and Risk Mitigation Strategies

- Weekly sprint capacity is set to 40 hours per week which is less than the total team capacity of 48 hours. This allows for some members within the week to take less capacity for personal needs.
- Utification is planned to be finished by 4/23/2023 which gives the team 2 weeks of unassigned sprints ending at 5/7/2023.
- Based on Thanksgiving break, we will have a sprint during spring break but can become an unassigned sprint if wanted by the team.

Acceptable Levels of Risk

- We can be behind schedule on 2 app features and allow them to have a week extension.
- We can have at least 1 person gone per sprint below 40 hours capacity and still be able to finish on time if the team still follows a 40 hour sprint capacity.

References

Kukhnavets, Paolo. “Gantt Chart vs. Roadmap: What Is the Difference?” Gantt Chart GanttPRO Blog, 26 Oct. 2022,https://blog.ganttpro.com/en/gantt-chart-vs-roadmap/#:~:text=Many%20think%20that%20a%20project,your%20project%20goals%20and%20vision.