

Team Big Data

Project Plan

Date: 12/7/2022

Team Leader: Joseph Armas

Team Members: Joshua Gherman

Rhoy Oviedo

Frank Curry

Ghabrille Ampo

David DeGirolamo

Git Repository: <https://github.com/JosephArmas/cecs-491A-Team-Big-Data>

Version History

Current Version: V5

CHANGES

- Modified
 - Road Map to extend Milestone 7
 - Gantt Chart to give UI and Litter Map more time.
 - Feasibility and Risk Mitigation Strategies
 - Acceptable Levels of Risk

Previous Versions: V1, V2, V3, V4

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Road Map

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

Total Sprints: 24

Total Hours: 976 productive hours

Hours per Week: 40 productive hours

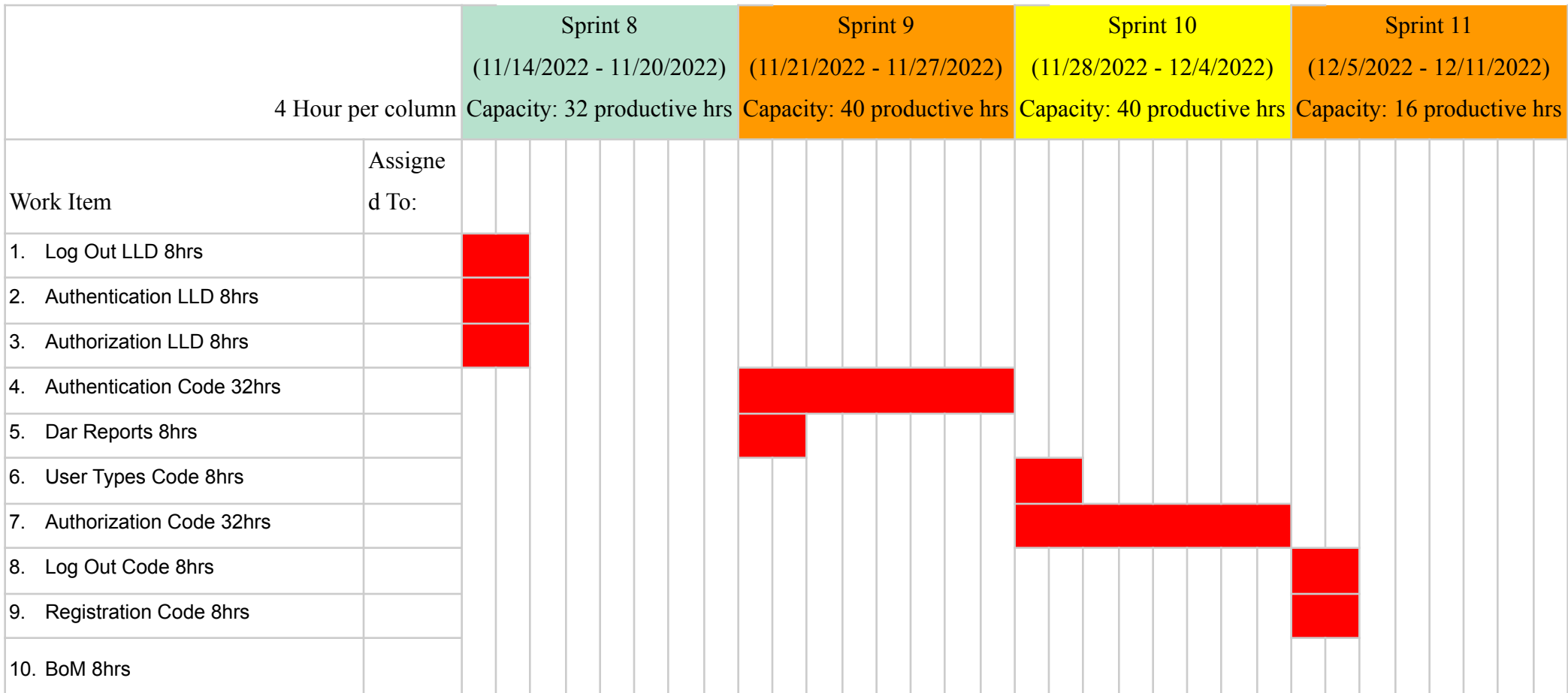
	Every column is a week	November				December				January				February				March				April				May			
Semester #	Milestone # Item Description																												
1	3. Account Security Part 1 Includes: Authentication, Authorization, Log out, User types, BoM			Milestone 3 (11/14/22 - 12/11/22)																									
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 -
4/30/23)

Gantt Chart

Semester 1:



Semester 2:

		Sprint 12 (1/23/2023 - 1/29/2023) Capacity: 24 productive hrs								Sprint 13 (1/30/2023 - 2/5/2023) Capacity: 40 productive hrs								Sprint 14 (2/6/2023 - 2/12/2023) Capacity: 40 productive hrs								Sprint 15 (2/13/2023 - 2/19/2023) Capacity: 48 productive hrs							
4 Hour per column																																	
Work Item	Assigned To:																																
11. Set up AWS Production Environment 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																																	

		Sprint 16 (2/20/2023 - 2/26/2023) Capacity: 40 productive hrs								Sprint 17 (2/27/2023 - 3/5/2023) Capacity: 40 productive hrs								Sprint 18 (3/6/2023 - 3/12/2023) Capacity: 40 productive hrs								Sprint 19 (3/13/2023 - 3/19/2023) Capacity: 48 productive hrs																															
4 Hour per column																																																									
Work Item #	Assigned To:																																																								
20. UI Part 1 32hrs																																																									
21. Litter Map LLD 8hrs																																																									
22. UI Part 2 16hrs																																																									
23. Litter Map 1 24hrs																																																									
24. Litter Map 2 24hrs																																																									
25. Analytics LLD 8hrs																																																									
26. Analytics 32hrs																																																									
27. Pinning LLD 8hrs																																																									
28. Deploy Code to AWS 8hrs																																																									

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

4 Hour per column		Sprint 24 (4/17/2023 - 4/23/2023) Capacity: 40 productive hrs								Sprint 25 (4/24/2023 - 4/30/2023) Capacity: 40 productive hrs								Sprint 26 (5/1/2023 - 5/7/2023) Capacity: 0							
Work Item	Assigned To:																								
38. Picture Upload 32hrs																									
39. User Services LLD 8hrs																									
40. User Services 32hrs																									
41. 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 productive hours

Feasibility and Risk Mitigation Strategies

- Weekly sprint capacity is set to 40 productive hours per week which is less than the total team capacity of 48 productive hours. This allows for some members within the week to take less capacity for personal needs.
- Utification is planned to be finished by 4/30/2023 which gives the team 1 week 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 1 app features and allow them to have a week extension.
- We can have at least 1 person gone per sprint below 40 product hours capacity and still be able to finish on time if the team still follows a 40 product 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.>