Sprint 4: 2/20/2023 - 2//26/2023

Step 1: Check Sprint Capacity of each member for the duration of the sprint.

Member:	Abhay	Anh	Aster	David	Sierra
2/20/2023	8	1	Day Off	2	4
2/21/2023	4	1	1	2	5
2/22/2023	6	3	Day Off	6	5
2/23/2023	4	2	1	2	4
2/24/2023	2	4	5	2	5
2/25/2023	2	4	5	7	Day Off
2/26/2023	8	4	3	7	5
Est. Capacity(hours)	34	19	15	28	28

Team Total Capaciy
90

Step 2: Review the Project Backlog and gather User Stories that have an estimated work effort close to the team capacity and by priority. (Hide the estimated hours for breakdown.)

As a User, I will be able to log in using my credentials.
As a User, I will be able to follow a flow designed for service management.
As a User, I will be able to follow a designed flow if there was a failure in document search.
As a Property Manager, I will be able to use a designed structure to successfully upload a DIY video.
As a User, I will be able to view and manage service request from property managers.

Step 3: Assign a User Story to each member and they will have to be solely responsible for handling its completion. Then have each person breakdown their User Story into tasks with an estimated guess of how many hours to be complete.

Ahbay		Comments for Reasons or Disagreements:
User story		
As a User, I will be able to log in using my credentials.		
Tasks:	**Hours**	
LLD for Authentication	5	
Tests for Authentication	10	
WebApi for Authentication	10	
Frontend for Authentication	5	
Total	30	

Anh	
User Story	
As a User, I will be able to follow a flow designed for service management.	
Tasks:	**Hours**
Service Management Success Cases	4
Service Management Failure Cases	8
Total	12

Aster	
User story	
As a User, I will be able to follow a designed flow if there was a failure in document search.	
Tasks:	**Hours**
Document Storage - No Document Failure LLD	2
Document Storage - Wrong Document Failure LLD	2
Document Storage - See Unsearchable Document Failure LLD	2
Document Storage - Infinite Loop Search Failure LLD	2
Document Storage - No Matching Document Success LLD	2
Total	10

David	
User story	
As a Property Manager, I will be able to use a designed structure to successfully upload a DIY video.	
Tasks:	**Hours**
DIY LLD Success Case	8
DIY LLD Failure Case	8
DIY Front End Design	8

		Total	24	Plan to revise and get comments from professor

Sierra

User story	
As a User, I will be able to view and manage service request from property managers.	

Tasks:	Hours
Request Management LLD success case	12
Request Management LLD Failure cases	10
Total	22

Step 4: Assign Tasks to each member based on a combination of want, time capacity, and completion ability.

Abhay	Hours	Anh	Hours	Aster	Hours
LLD for Authentication	5	Service Management Success Cases	4	Doc Storage - Search - No Document Failure LLD	2
Tests for Authentication	10	Service Management Failure Cases	8	Doc Storage - Search - Wrong Document Failure LLD	2
WebApi for Authentication	10			Doc Storage - Search - See Unsearchable Doc Failure LLD	2
Frontend for Authentication	5			Doc Storage - Search - Infinite Loop Search Failure LLD	2
				Doc Storage - Search - No Matching Doc Success LLD	2

David	Hours	Sierra	Hours
DIY LLD Success Case	8	Request Management LLD success case	12
DIY LLD Failure Case	8	Request Management LLD Failure cases	10
DIY Front End Design	8		

Step 5: Discussion for new issues, impacts on projects, and dependencies that could cause issues.

David: I think that the Authentication needs to be a main priority as we will need it to be integrated into other features.

Sierra: We need to create a general enviroment that includes the core requirements that everyone can add to.

David: We also need to set up a single web app project as our main coding enviroment that could be setup in github to branch out as of right now all code are seperated.

Abhay: Members need to research more so we can all be on the same level, i.e. for GitHub and AWS.

	Abhay	Anh	Aster	David	Sierra	Total
Total Estimated Work Hours	30	12	10	24	22	98
Total Individual Capacity	34	19	15	28	28	124

Epic from User Story:	Authentication	Service Management	Document Storage	DIY Manager	Request Management	Total	
Initial Estimated Effort Level:	30	18	10	20	20	98	Note: Hours gathered from project plan and project backlog

Step 6: Are there any disparities between the intially estimated effort and the new effort level Yes or No? If yes, explain how would you account for the difference whether its under/over the intial effort level.

Abhay: No, the authentication estimated effort fits equals exactly to what we came up with in sprint planning. And my capacity is over the estimated effort from the sprint planning. I have some extra capacity, but as it not big enough for another user story. So I will use that capacity for backup.

Anh: I think I overestimated by effort level just a bit. I ended up being busy for this week and couldn't put the time I alloted myself. Perhaps next sprint I should lower my capacity and see how well that would be.

Aster: Yes, I underestimated the workload considering the failure case LLD for the same part of the feature would be quite similar. Instead, I had to figure out how to work the failure, causing more time used up.

David: The project backog stated this userstory should be 20 hours ,but I estimated 24. I put 8 hours for each front end design, success cases, and failure cases because I thought that since there should be multiple flows for each it would take me about 1-2 hour for each design flow but I expect to go back to each flow and add another 1 hour to fix. Also I'm still new to using figma for front end design so I decided that should be 8 hours to give me extra time for mistakes and to learn it but I expect to create first design in about 2 hours and then another 2 hours adjusting and fixing with 4 hours of learning and trouble shooting. So I actually estimimated less time than PRD but gave myself extra failure room so it was more time.

Sierra: My effort level turned out to be more than initially estimated so Im going to use this whole sprint to finish my success cases and failure cases and ask questions.This way i would not be too behind for the implementaion part next sprint. Although I am already behind I plan to catch up next sprint.

time than BRD but gave my self extra failure room so it was more time.

Step 7: Does everyone agree with tasks/workload and hours for each member Yes or No? If no we either change tasks or work capacity.			Team Total Capacity	
Abhay	Yes		124	
Anh	Yes			
Aster	Yes		Total Work Taken	
David	Yes		98	
Sierra	Yes			

Step 8: Conclusion

Team AA: The new calculated workload and effort level ended up being equal to the initially estimated so we decided to leave this sprint as is and not bring in another user story to meet total team capacity. There was alot of underestimation and overestimation for each of our user stories which led to a surprising consistent workload capacity.