Sprint 5: 2/27/2023 - 3/5/2023

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

Member:	Abhay	Anh	Aster	David	Sierra
2/27/2023	5	Day Off	Day Off	5	6
2/28/2023	3	1	1	2	5
3/1/2023	5	Day Off	Day Off	5	3
3/2/2023	3	2	1	1	5
3/3/2023	2	2	3	1	3
3/4/2023	2	3	4	5	5
3/5/2023	6	3	3	5	6
Est. Capacity(hours)	26	11	12	24	33

Team Total Capaciy
106

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 property Manager, I will be able to provide information about my desired property.
As a property Manager, I will be able to get a estimated property evaluation from the information provided.
As a user, I will be able to upload a document to share with the users.
As a Property Manager, I will be able to upload a new DIY project to be shared.
As a service provider, I will be able to update my service request.
As a service provider, I will be able to give a service rating to past request.
As a property manager, I will be able to request a service from a Service Provider.
As a property Manager, I will be able to view my service.

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

User story	
As a property Manager, I will be able to provide information about my desired property.	
As a property Manager, I will be able to get a estimated property evaluation from the information provided.	
Tasks:	**Hours**
LLD for Property Evaluation	**2**
LLD for Linear Regression Model for Property Evaluation	**2**
Tests for Property Evaluation	**5**
Tests for Linear Regression Model	**5**
Implementation for the Linear Regression Model	**8**
Peer Review	**2**
Implementation for the Frontend	**5**
Implementation for the Backend	**10**
Total	

Comments for Reasons or Disagreements:

The user stories will be covered in the same design. As the user will enter the information, and that will be processed by the linear regression model. The prediction from the model wil be sent back as an update to a existing field. The frontend will take care of "As a property Manager, I will be able to provide information about my desired property.". and the backend will take care of "As a property Manager, I will be able to get a estimated property evaluation from the information provided."

Anh

User Story	
As a property Manager, I will be able to view my service.	
As a property manager, I will be able to request a service from a Service Provider.	
Tasks:	**Hours**
Tidy up LLD for Service Mgmt.	**6**
Implement LLD design into code.	**4**
Debug	**3**
Test	**2**
Total	**10**

Aster

User story	
As a user, I will be able to upload a document to share with the users.	
Tasks:	**Hours**
LLD - upload signed document success case	**3**
LLD - upload unsigned document success case	**3**
LLD - share document to users success case	**3**
Total	**9**

David

User story	
As a Property Manager, I will be able to upload a new DIY project to be shared.	
Tasks:	**Hours**
DIY Upload - LLD Success case	**4**
DIY Upload - LLD Failure Case	**4**
DIY Upload - Code Implementation	**8**
DIY Upload - Testing	**6**
Total	**22**

I already have some design for this user story done so I chose to complete this entire userstory from design to testing.

Sierra

I decided to grab the service rating user story to start the low level design and then im going to continue with the update service rating from last sprint and start back end implementation.

User story	
As a service provider, I will be able to update my service request.	
As a service provider, I will be able to give a service rating to past request.	

Tasks:		**Hours**
LLD of service rating Success Case		4
LLD of service rating Failure Case		4
Backend Implementation of updating a service request		14
Backend Implementation of viewing service request		5
Update Service Request - Testing		3
	Total	30

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 Property Evaluation	2	Tidy up LLD for Service Mgmt.	5	LLD - upload signed document success case	3
LLD for Linear Regression Model	2	Start coding backend for Service Mgmt.	6	LLD - upload unsigned document success case	3
Tests for Property Evaluation	5			LLD - share document to users success case	3
Tests for Linear Regression Model	5				
Implementation for the Linear Regression Model	8				
Peer review	2				
Total	24				

David	Hours	Sierra	Hours
DIY Upload - LLD Success case	4	LLD of service rating Success Case	4
DIY Upload - LLD Failure Case	4	LLD of service rating Failure Case	4
DIY Upload - Code Implementation	8	Backend Implementation of updating a service reque	14
DIY Upload - Testing	6	Backend Implementation of viewing service request	5
		Update Service Request - Testing	3

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

David: I think that there needs to be updates to the project backlog to update the user stories to make more sense and be clearer in its responsibility. Also we need to start moving work from parking lot to the backlog.

Sierra: We need to create a base web app that each memeber can build upon. We need to create a library that each memeber can pull essential

	Abhay	Anh	Aster	David	Sierra	Total
Total Estimated Work Hours	24	8	9	22	30	93
Total Individual Capacity	26	11	12	24	33	106

Epic / Work Item					Request Management	Total	
Task Breakdown Estimate:	39	Missing from planning.	9	22	30	100	**Note: Hours gathered from task breakdown**
Initial Estimated Effort Level:	50	Missing from planning.	4	25	40	119	**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: As I am only doing the designs, tests and the implementation for the linear regression model. And I have yet to finish the implementation for the frontend which is concerned with one of the user story, and the backend which is concerned with another user story. The estimated hour from the backlog does not correspond with all the tasks I will be doing this sprint.

Missing from planning.

Aster: I learned from the previous LLD on Document Storage - Search that I lack a lot of knowledge in the project as a new group member, and this user story's BRD looks more difficult than the previous user story's BRD.

David: The estimated workload from the task breakdown is 22 while the estimated hours in the backlog is 25. I believe the LLD should take less time now that I have a similar design already that I can start with so I made both LLD 4 hours. Once the design is done then I believe 8 hours to code should be enough to follow along with the design and it should have enough time for errors produced and introduced from being new to ASP.NET Core and it should slowly be lower in future sprints. The testing I placed at 50 percent time it would take to code which would be 4 ,but I added 2 hours to account for learning to automatically test front end also in end to end testing. So my design estimate is what caused it to be lower as I already worked on part of it otherwise the total time would have been higher.

Sierra: Yes, I calculated that it would take me less time to complete the beforementioned task than the initially estimated hours. This difference is due to the LLD for updating a service request being completed. It should not take long to create the LLD for rating a service. I beleive the most time consuming task woulfd be the backend implementation of updating a service.

Team Total Capacity
106

Abhay	Yes
Anh	Missing from planning.
Aster	Yes
David	Yes
Sierra	Yes

Total Work Taken
93

Team AA: In conclusion when we previously estimated the work hours for the work items we overestimated how much time it would take to complete the task. Also since most of us arent doing any implementation the hours calculated for this sprint turned out to be much less than the estimated since we previously overestimated how long implementation would take.

Step 8: Conclusion

Team AA: In conclusion when we previously estimated the work hours for the work items we overestimated how much time it would take to complete the task. Since most of us arent doing any implementation the hours are much less than initially estimated since the initially estimated hours accounted heavily for implementation. Also anh was missing for sprint planning.