Sprint 6: 3/6/2023 - 3/12/2023

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

Member:	Abhay	Anh	Aster	David	Sierra
3/6/2023	3	Day Off	Day Off	4	6
3/7/2023	4	3	1	1	5
3/8/2023	5	Day Off	Day Off	4	3
3/9/2023	4	2	1	1	5
3/10/2023	2	2	3	1	5
3/11/2023	2	3	4	6	5
3/12/2023	7	4	3	6	5
Est. Capacity(hours)	27	14	12	23	34

Team Total Capaciy
110

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 sign documents in my storage.

As a Property Manager, I will be able to upload a new DIY project to be shared.

As a User, I will be able to view DIY Projects made by other people.

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 service provider, I will be able to view my services.

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 | Comments for Reasons or Disagreements:

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.

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". I will be changing the prevously done peer review for request managment, designed by sierra.

Tasks:	Hours
Peer Review	2
Tests for Property Evaluation - Backend	5
Tests for Property Evaluation - Frontend	5
Implementation for the Frontend	5
Implementation for the Backend	10
Total	**27**

Anh

User Story

As a property Manager, I will be able to view my service.

Tasks:	Hours
Implement LLD design into code.	6
Debug	4
Test	4
Total	**14**

Aster

User story

As a User, I will be able to sign documents in my storage.

Tasks:	Hours
Sign - Success Case LLD	3
Sign - Failure Case LLD signature not saved	3
Sign - Failure Case LLD blank signature	3
Sign - Failure Case LLD prefix is not changed	3

		Total	12
David				I included the time it would take to finalize the peer review which should be about 3 hours more since it was mostly done.
User story			
As a Property Manager, I will be able to upload a new DIY project to be shared.			
As a User, I will be able to view DIY Projects made by other people.			
Tasks:			**Hours**
DIY Upload - Code			10
DIY Upload - Testing			8
DIY View - Backend design			6
DIY View - Frontend design			6
DIY View - Code			12
DIY View - Tests			10
Peer Review			3
		Total	55

Sierra			
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.			
As a service provider, I will be able to view my services.			
Tasks:			**Hours**
Update - Backend Implementation			7
Update - Frontend Implementation			5
View - Backend Implementation			2
View - Frontend Implementation			4
Rating - Backend Implementation			5
Rating - Frontend Implementation			5
		Total	28

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

Abhay	Hours	Anh	Hours	Aster	Hours
Peer Review	2	Implement LLD design into code.	6	Sign - Success Case LLD	3
Tests for Property Evaluation - Backend	5	Debug	4	Sign - Failure Case LLD signature not saved	3
Tests for Property Evaluation - Frontend	5	Test	4	Sign - Failure Case LLD blank signature	3
Implementation for the Frontend	5			Sign - Failure Case LLD prefix is not changed	3
Implementation for the Backend	10				

David	Hours	Sierra	Hours
DIY Upload - Code	10	Update - Backend Implementation	7
DIY Upload - Testing	8	Update - Frontend Implementation	4
Peer Review	3	View - Backend Implementation	2
		View - Frontend Implementation	4
		Rating - Backend Implementation	5
		Rating - Frontend Implementation	5
		Peer review	2

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

	Abhay	Anh	Aster	David	Sierra	Total	
Total Estimated Work Hours	27	14	12	21	30		104
Total Individual Capacity	27	14	12	23	34		110

Epic / Work Item	Property Evaluation	Service Management	Document Storage	DIY	Request Management	Total	
Task Breakdown Estimate:	27	14	12	55	27		121 Note: Hours gathered from task breakdown

Initial Estimated Effort Level:	50	18	8	45	40	161	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: The total for the whole feature is 50 hrs, where the designing was done last sprint. Which can account for 10 hours of the work. There is still a huge difference between estiimated work from backlog to planning. The difference is about 10 hours, which can be attributed to change of model which will be used for property evaluation. Where the originally intended one was harder, but due to unapproved technologies, I cannot use. So, I will be implementing a simpler solution.

Anh: The effort level is slightly lower. I think this is because frontend development is faster than backend.

Aster: Considering I was able to manage to almost finish the previous LLD's of Document Storage Upload user story within 12 hours, I expect about the same amount of hours.

Sierra: The initial effort level is 40 and I calculated the task to be 27. With the LLD design I feel it should not take long to implement the backend of each feature. However I think the frontend implementation and testing would take alot longer than the code so I added extra time for it.

David: The task breakdown estimate is higher than the initial estimated effort by 7 with 52 to 45. This design and part of the code of the DIY upload was completed in the previous sprint so the current breakdown does not include that anymore making it less time. I also completed part of the design for DIY View so I put a lower time of 6 hours each instead of 10 hours in the task breakdown. Once the design is done I believe it should be around 10 hours to code it following the design but I added an extra 2 hours cushion. The test should be about 50% of the time so I put 10 hours since the true estimated time is around 20.

Abhay	Yes
Anh	Yes
Aster	Yes
David	Yes
Sierra	Yes

Team Total Capacity
110

Total Work Taken
104

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. Also since most of us are doing implementation the hours calculated for this sprint turned out to be closer to the estimated since our previous estimation relied heavily on implementation.