

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 Capacity

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 current and past services.

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 | | | 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 will 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 previously done peer review for request managment, designed by sierra. |
| 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 | | |
| 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 current and past services. | | | |
| | | | |
| 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. | | | | | | | |
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| | | | | | | | |
| | | 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: | 100 | 120 | 50 | 100 | 100 | 470 | Note: Hours gathered from project plan and project backlog |
|--|-----|-----|----|---|--|-----|--|
| Step 6: Are there any disparities between the initially 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 initial 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 estimated 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. | | | |
| <div style="float: right; width: 150px;"> Team Total Capacity 110 Total Work Taken 104 </div> | | | | | | | |
| 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. | | | | | | | |