**Project Planning Phase**

**Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)**

|  |  |
| --- | --- |
| Date | 22 June 2024 |
| Team ID | SWTID1720019632 |
| Project Name | HOUSE RENT APP USING MERN |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation:**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | User Authentication | USN-1.1 | As an Owner or Renter, I can register for the application by entering my email, password, and confirming my password. In the Registration page | 3 | Low | Madhavv,  Hiruthick |
| Sprint-1 |  | USN-1.2 | Implement separate registration API’s for handling Owner and Renter Data | 5 | Medium | Monish,Ganesh |
| Sprint-1 |  | USN-1.3 | Integrate frontend with backend for registration | 8 | High | Monish,Ganesh |
| Sprint-1 |  | USN-1.4 | As an Owner or Renter, I can login from any device through Login page by entering my registered email, password | 2 | Low | Madhavv,  Hiruthick |
|  |  |  |  |  |  |  |
| Sprint-2 | Property Listing | USN-2.1 | Renter Should be able to See the List of properties in the property Listing page | 3 | Low | Madhavv,  Hiruthick |
|  |  | USN-2.2 | Implement property listing API | 5 | Medium | Madhavv,  Hiruthick |
|  |  | USN-2.3 | Integrate frontend with backend for listing the properties posted by owners | 8 | High | Monish,Ganesh |
|  |  |  |  |  |  |  |
| Sprint-3 | Property Submission | USN-3.1 | Owner Should be able to submit the Properties details in a form in the property Submission page | 3 | Low | Monish,Ganesh |
|  |  | USN-3.2 | Implement property submission API | 5 | Medium | Monish,Ganesh |
|  |  | USN-3.3 | Integrate frontend with backend for submission of property by Owner which will be posted in property listing page of Renters. | 8 | High | Madhavv,  Hiruthick |
|  |  |  |  |  |  |  |
| Sprint-4 | Property Details | USN-4.1 | Renters Should be able to see the details of each listed property in The Details Page | 3 | Low | Madhavv,  Hiruthick |
|  |  | USN-4.2 | Implement property details API by fetching the data posted by the Owners in the Property Submission Forms | 5 | Medium | Madhavv,  Hiruthick |
|  |  | USN-4.3 | Integrate frontend with backend for details | 8 | High | Monish,Ganesh |
|  |  |  |  |  |  |  |
| Sprint-5 | Booking Property | USN-5.1 | Renter should be able to request Booking by filling form details, in the Property Details page and, the form is sent to the property Owner | 5 | Medium | Monish,Ganesh |
|  |  | USN-5.2 | Implement booking API | 5 | Medium | Ganesh,Hiruthick |
|  |  | USN-5.3 | Integrate frontend with backend for booking status update | 8 | High | Monish,Madhavv |
|  |  |  |  |  |  |  |
| Sprint-6 | Admin Dashboard | USN-6.1 | Admin should be able to Handle Users, Owners and the Booking Status of Property | 5 | Medium | Monish,Ganesh |
|  |  | USN-6.2 | Implement admin monitoring API | 8 | High | Madhavv,  Hiruthick |
|  |  | USN-6.3 | Integrate frontend with backend for monitoring tools | 8 | High | Madhavv,  Hiruthick |
|  |  |  |  |  |  |  |
| Sprint-7 | Property Management | USN-7.1 | Owner should be able to Manage Property by approving or rejecting the Renter and updating the Booking Status. | 5 | Medium | Ganesh,Hiruthick |
|  |  | USN-7.2 | Implement property CRUD API | 8 | High | Ganesh,Hiruthick |
|  |  | USN-7.3 | Integrate frontend with backend for property CRUD | 8 | High | Monish,Madhavv |

**Project Tracker, Velocity & Burndown Chart: (2 Marks)**

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (as on Planned End Date)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 18 | 3 Days | 5 Jul 2024 | 7 Jul 2024 | 10 | 8 Jul 2023 |
| Sprint-2 | 16 | 3 Days | 7 Jul 2024 | 10 Jul 2024 |  |  |
| Sprint-3 | 16 | 5 Days | 5 Jul 2024 | 10 Jul 2024 |  |  |
| Sprint-4 | 16 | 6 Days | 5 Jul 2024 | 11 Jul 2024 |  |  |
| Sprint-5 | 18 | 7Days | 5 Jul 2024 | 12 Jul 2024 |  |  |
| Sprint-6 | 19 | 7 Days | 5 Jul 2024 | 12Jul 2024 |  |  |
| Sprint-7 | 21 | 7 Days | 5 Jul 2024 | 12 Jul 2024 |  |  |
|  |  |  |  |  |  |  |

**Velocity:**

|  |  |
| --- | --- |
| **Sprint** | **Average Velocity (story points/Duration)** |
| Sprint-1 | **18/3=6** |
| Sprint-2 | **16/3=5.33** |
| Sprint-3 | **16/5=3.2** |
| Sprint-4 | **16/6=2.66** |
| Sprint-5 | **18/7=2.57** |
| Sprint-6 | **19/7=2.71** |
| Sprint-7 | **19/7=2.71** |