**Initial Project Planning Template**

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| Date | 26 June 2024 |
| Team ID | 740709 |
| Project Name | House Rent Price Prediction Using Machine Learning |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

Use the below template to create a product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
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| Sprint-1 | Data Collection | USN-1 | As a user, I can gather historical house rent data from various sources. | 3 | High | Sreyas | 20/06/24 | 25/06/24 |
| Sprint-1 | Data Cleaning | USN-2 | As a user, I can clean and preprocess the collected data. | 2 | High | Sreyas | 20/06/24 | 25/06/24 |
| Sprint-2 | Feature Engineering | USN-3 | As a user, I can create meaningful features from the pre-processed data. | 2 | Medium | Rachana,  Khursheed | 20/06/24 | 24/06/24 |
| Sprint-2 | Model Training | USN-4 | As a user, I can train various models to predict house rent prices. | 3 | High | Varalaxmi | 25/06/24 | 02/07/24 |
| Sprint-3 | Model Evaluation | USN-5 | As a user, I can evaluate the performance of the trained models. | 2 | High | Varalaxmi | 25/06/24 | 02/07/24 |

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| Sprint-3 | Model Deployment | USN-6 | | As a user, I can deploy the best-performing model into production | 3 | High | Varalaxmi | 25/06/24 | 02/07/24 |
| Sprint-4 | User Interface | USN-7 | | As a user, I can create a user interface to interact with the prediction model. | 4 | Medium | Khursheed | 03/07/24 | 07/07/24 |
| Sprint-4 | |  | | --- | | Documentation |  |  | | --- | |  | | | USN-8 | As a user, I can document the entire process and the results. | 1 | Low | Rachana | 07/07/24 | 10/07/24 |