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**Initial Project Planning Template**

| Date | 24 April 2024 |
| --- | --- |
| Team ID | 739739 |
| Project Name | RESERVATION CANCELLATION PREDICTION |
| 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** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Data Collection and Preprocessing | USN-2 | Understanding &loading data | Low | AbdulJabbar | 2024/05/05 | 2024/05/10 |
| Sprint-1 | Data Collection and Preprocessing | USN-3 | Data Cleaning | High | Varshith | 2024/05/05 | 2024/05/12 |
| Sprint-1 | Data Collection and Preprocessing | USN-4 | EDA | Medium | AbdulJabbar | 2024/05/05 | 2024/05/12 |
| Sprint-2 | Exploratory data Analysis | USN-5 | Descriptive Statistics | Medium | Varshith | 2024/05/12 | 2024/05/15 |
| Sprint-2 | Exploratory data Analysis | USN-7 | Visual Analysis | Medium | AbdulJabbar | 2024/05/12 | 2024/05/15 |
| Sprint-2 | Exploratory data Analysis | USN-6 | Evaluating the model | High | Sonalika | 2024/05/13 | 2024/05/19 |
| Sprint-3 | Model Building | USN-8 | Training the model in multiple algorithms | High | Pranadeep | 2024/05/20 | 2024/06/05 |
| Sprint-3 | Model Building | USN-9 | Testing the model | High | Sonalika | 2024/06/10 | 2024/06/17 |
| Sprint-3 | Performance testing & Hyper parameter tuning | USN-10 | Testing the model with multiple evaluation metrices | High | Sonalika | 2024/06/18 | 2024/06/20 |
| Sprint-4 | Model development | USN-11 | Save the best Model | Medium | Pranadeep | 2024/06/21 | 2024/05/23 |
| Sprint-4 | Model development | USN-12 | Integrate with Web Framework &building HTML templates | High | Sonalika,  Pranadeep | 2024/06/24 | 2024/06/27 |
| Sprint-4 | Model development | USN-13 | Flask importing and app.py | High | Pranadeep | 2024/06/28 | 2024/06/30 |
| Sprint-3  Sprint-4 | Project Report | USN-15 | Report | medium | Sonalika,  Pranadeep | 2024/07/02 | 2024/07/09 |