**Initial Project Planning Template**

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| Date | 5 May 2024 |
| Team ID | 737906 |
| Project Name | Walmart Sales Analysis for Retail Industry with Machine Learning |
| Maximum Marks | 4 Marks |

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

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Priority** | **Team Members** | **Sprint Start Date** | **Sprint End Date (Planned)** |
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| Sprint-1 | Data Collection | USN-1 | Download the Dataset | Low | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-2 | Loading the Dataset | USN-2 | Importing the Libraries | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-2 | Loading the Dataset | USN-3 | Read the Dataset | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-2 | Loading the Dataset | USN-4 | Descriptive Analysis | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-3 | Data Pre-Processing | USN-5 | Checking for Null Values | High | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-3 | Data Pre-Processing | USN-6 | Handling Negative Values | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-3 | Data Pre-Processing | USN-7 | Exploratory Data Analysis | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-3 | Data Pre-Processing | USN-8 | Handling Categorical Values | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-3 | Data Pre-Processing | USN-9 | Splitting Data into Train and Test | Medium | Sri Chaitrika | 03/05/2024 | 10/05/2024 |
| Sprint-4 | Model Building | USN-10 | Random Forest | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-4 | Model Building | USN-11 | Decision Tree | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-4 | Model Building | USN-12 | XgBoost | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-4 | Model Building | USN-13 | ARIMA | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-4 | Model Building | USN-14 | Comparing The Models | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-5 | Application Building | USN-15 | Building HTML Pages | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-5 | Application Building | USN-16 | Building the Python Code in Flask | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |
| Sprint-5 | Application Building | USN-17 | Run The Application | High | Devi Manognya Matta | 03/05/2024 | 10/05/2024 |