**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| --- | --- |
| Date | 1 July 2025 |
| Team ID | LTVIP2025TMID50223 |
| Project Name | Visualization Tool For Electric Vehicle Charge And Range Analysis |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

**+--------------------+**

**| Data Sources | (CSV, Excel, MySQL, Google Sheets)**

**+--------------------+**

**|**

**v**

**+---------------------+ +----------------------+**

**| Tableau Desktop | <---> | MySQL / Google Drive|**

**+---------------------+ +----------------------+**

**|**

**v**

**+---------------------------+**

**| Tableau Public Dashboards |**

**+---------------------------+**

**|**

**v**

**+----------------------------+**

**| Web Application Interface |**

**| (HTML, CSS, Bootstrap) |**

**+----------------------------+**

**|**

**v**

**+--------------------+**

**| Users | → EV Owners, Buyers, Analysts, Researchers**

**+--------------------+**

**User Stories:**

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance Criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Web User | Dashboard Access | USW-1 | As a user, I can view EV dashboards from my browser | I can see interactive dashboards embedded in the page | High | Sprint-1 |
| Web User | Data Filtering | USW-2 | As a user, I can filter EV data based on brand and range | Filters work and data updates accordingly | High | Sprint-1 |
| Web User | Comparative Insights | USW-3 | As a user, I can compare EV performance in India vs globally | Visual comparison is available and clear | High | Sprint-1 |
| Web User | Storyboard Navigation | USW-4 | As a user, I can navigate through the Tableau story with next/prev | I can view multiple story points in order | Medium | Sprint-1 |
| Web User | Responsive Web Access | USW-5 | As a user, I can access the dashboard on mobile and desktop | Layout adjusts on different screen sizes | Medium | Sprint-2 |
| Web User | Link Sharing | USW-6 | As a user, I can share the dashboard page link with others | Shared link opens the dashboard correctly | Medium | Sprint-2 |