**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID48073 |
| Project Name | Visualizing Housing Market Trends An Analysis of Sale Prices and Features using Tableau |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

**User Stories**

Use the below template to list all the user stories for the product.

| **User Type** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| --- | --- | --- | --- | --- | --- | --- |
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard after signing up. | High | Sprint-1 |
|  | Registration | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click confirm | High | Sprint-1 |
|  | Registration | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low | Sprint-2 |
|  | Registration | USN-4 | As a user, I can register for the application through Gmail | Gmail login redirects and authenticates successfully. | Medium | Sprint-1 |
|  | Login | USN-5 | As a user, I can log into the application by entering email & password | I can view my dashboard after logging in. | High | Sprint-1 |
|  | Dashboard | USN-6 | As a user, I can view and apply filters on the housing dashboard. | I can filter properties by city, price, size, etc. | High | Sprint-2 |
|  | Dashboard | USN-7 | As a user, I can download visual reports. | A downloadable PDF or image is generated. | Medium | Sprint-3 |
| Customer (Web user) |  |  |  |  |  |  |
|  | Data Upload | USW-1 | As a web user, I can upload housing data in CSV format. | The file uploads and stores successfully. | High | Sprint-1 |
|  | Data Cleaning | USW-2 | As a web user, I can preview and clean uploaded data. | I can remove nulls or fix columns before saving. | High | Sprint-2 |
|  | Visualization | USW-3 | As a web user, I can generate charts using filters. | The dashboard updates based on selected filters. | High | Sprint-2 |
|  | Report Export | USW-4 | As a user, I can export dashboards to PDF or Excel. | A file is downloaded with correct formatting. | Medium | Sprint-3 |
| Customer CareExecutie |  |  |  |  |  |  |
|  | Support Access | USCCE-1 | As a support exec, I can accescustomer account details. | I can search and view user data and activity logs. | Medium | Sprint-3 |
|  | Feedback Logging | USCCE-2 | As a support exec, I can log user issues. | The system stores logs against each user ID. | Medium | Sprint-3 |
|  | Report Sharing | USCCE-3 | As a support exec, I can email visual reports to users. | A report is emailed to the selected user. | Low | Sprint-4  w |
| Administra -tor |  |  |  |  |  |  |
|  | User Manage-ment | USA-1 | As an admin, I can view and manage all users. | I can activate/deactivate user accounts. | High | Sprint-1 |
|  | Data Oversight | USA-2 | As an admin, I can access all uploaded datasets. | I can delete, update, or approve datasets. | High | Sprint-2 |
|  | Role Manage-ment | USA-3 | As an admin, I can assign roles to users. | Users receive correct access levels. | |  | | --- | | Medium |  |  | | --- | |  | | Sprint-2 |
|  | Audit Logs | USA-4 | As an admin, I can view system activity logs. | Logs show all actions taken by users/admins. | |  | | --- | | Medium |  |  | | --- | |  | | Sprint-3 |

**Data Flow Diagram** 