

Project Design Phase-II

Data Flow Diagram samp; User Stories

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| Date | 20 February 2026 |
| Team ID | LTVIP2026TMIDS82725 |
| Project Name | Plugging into the future: An exploration of electricity consumption pattern using tableau |
| Maximum Marks | 4 Marks |

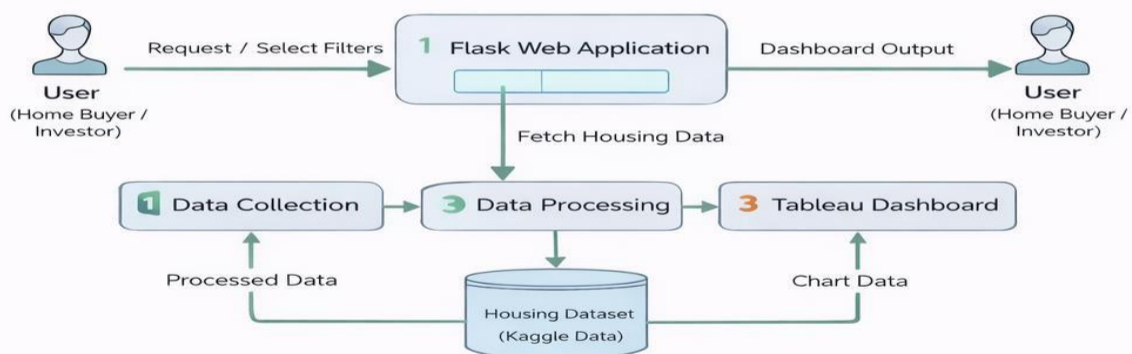
Data Flow Diagrams:

Flow

DFD Level 0: Housing Market Dashboard System
(Tableau Embedded in Flask Web App)



DFD Level 1: Housing Market Dashboard Logic



User Stories

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

| User Type | Functional Requirement (Epic) | User Story No | User Story / Task | Acceptance Criteria | Priority | Release |
|---------------------|-------------------------------|---------------|---|--|----------|----------|
| Customer (Web User) | Registration | USN-1 | As a user, I can register to access the electricity dashboard | Account is created and login is successful | High | Sprint-1 |
| Customer (Web User) | Login | USN-2 | As a user, I can login securely to the dashboard | User is redirected to dashboard after login | High | Sprint-1 |
| Customer (Web User) | Dashboard View | USN-3 | As a user, I can view electricity consumption dashboards | Dashboard loads with charts and energy metrics | High | Sprint-1 |
| Customer (Web User) | Filter Data | USN-4 | As a user, I can filter data by region, time, or category | Dashboard updates based on selected filters | High | Sprint-2 |
| Customer (Web User) | View Charts | USN-5 | As a user, I can view charts showing usage trends and peak demand | Charts display correct and updated values | High | Sprint-2 |
| Customer (Web User) | Logout | USN-6 | As a user, I can export dashboard reports | Reports download successfully | Medium | Sprint-2 |
| Administrator | Manage Dataset | USN-7 | As an admin, I can upload and manage electricity datasets | Data uploads correctly and reflects in dashboard | High | Sprint-1 |

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|---------------|--------------|-------|--|---------------------------------|--------|----------|
| Administrator | Manage Users | USN-8 | As an admin, I can manage registered users | Admin can view/update user list | Medium | Sprint-2 |
|---------------|--------------|-------|--|---------------------------------|--------|----------|