**Project Design Phase-II**
**Data Flow Diagram & User Stories**

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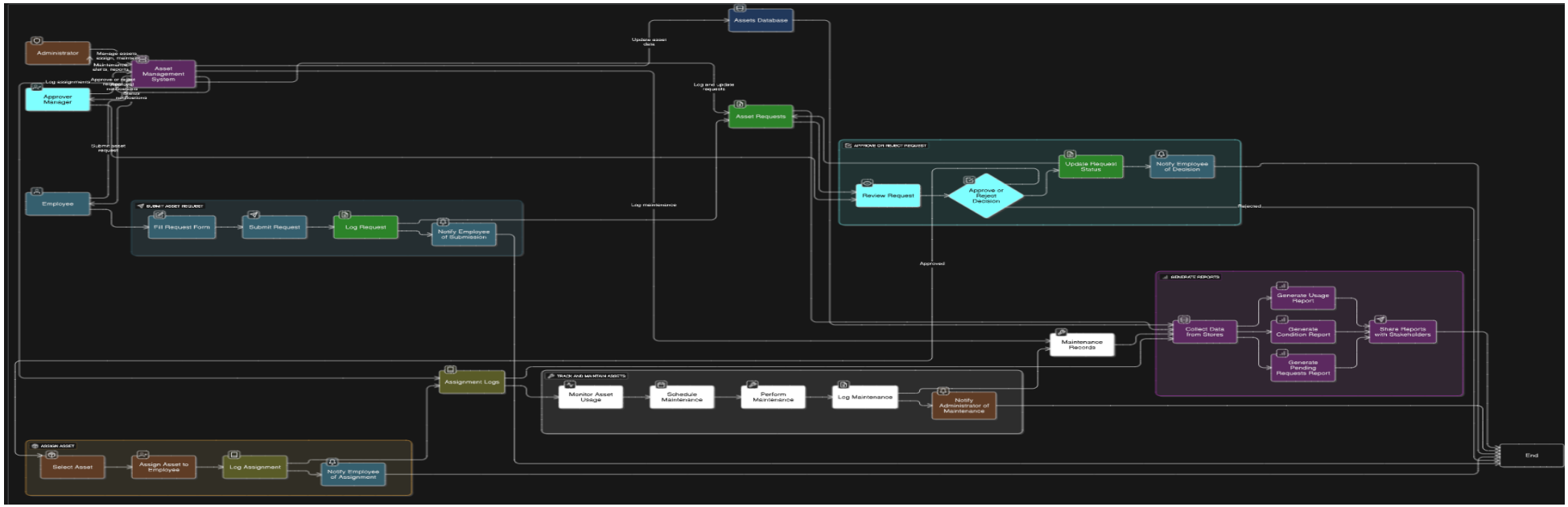
| Date | 20 Feb 2026 |
| Team ID | LTVIP2026TMIDS24859 |
| Project Name | Calculate family Expenses using Service Now |
| Mentor Name | Dr Shaik Salma Begum |
| Maximum Marks | 4 Marks |

**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**

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Developer | PDI Setup | USN-1 | As a developer, I can set up a Personal Developer Instance | Instance is created, accessible, and ready for development | High | Sprint-1 |
| Developer | Update Set Creation | USN-2 | As a developer, I can create and activate an Update Set | Update set is active and captures all configuration changes | High | Sprint-1 |
| Admin | Table Creation | USN-3 | As an admin, I can create Family Expenses table with auto-numbering | Table created and records have auto-generated unique numbers | High | Sprint-1 |
| Admin | Table Creation | USN-4 | As an admin, I can create Daily Expenses table with required fields | Table created with fields: Date, Expense, Family Member, Comments | High | Sprint-1 |
| Admin | Relationship Configuration | USN-5 | As an admin, I can link Daily Expenses to Family Expenses | Related list displays Daily Expenses in Family Expenses form | High | Sprint-2 |
| Admin | Business Rule Automation | USN-6 | As an admin, I can configure business rule to auto-calculate total expenses | Total amount updates automatically when Daily Expense is added | High | Sprint-2 |
| User | Expense Entry | USN-7 | As a user, I can add daily expense details | Expense record is saved and visible in Daily Expenses table | High | Sprint-2 |
| User | Expense Summary | USN-8 | As a user, I can view summarized family expenses | Family Expenses table shows total daily expenses correctly | Medium | Sprint-3 |
| Admin | Form Configuration | USN-9 | As an admin, I can configure forms and fields properties | Fields are read-only or mandatory as per requirements | Medium | Sprint-3 |
| Admin | Reporting | USN-10 | As an admin, I can generate expense reports | Reports display total expenses and expense trends | Medium | Sprint-4 |