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

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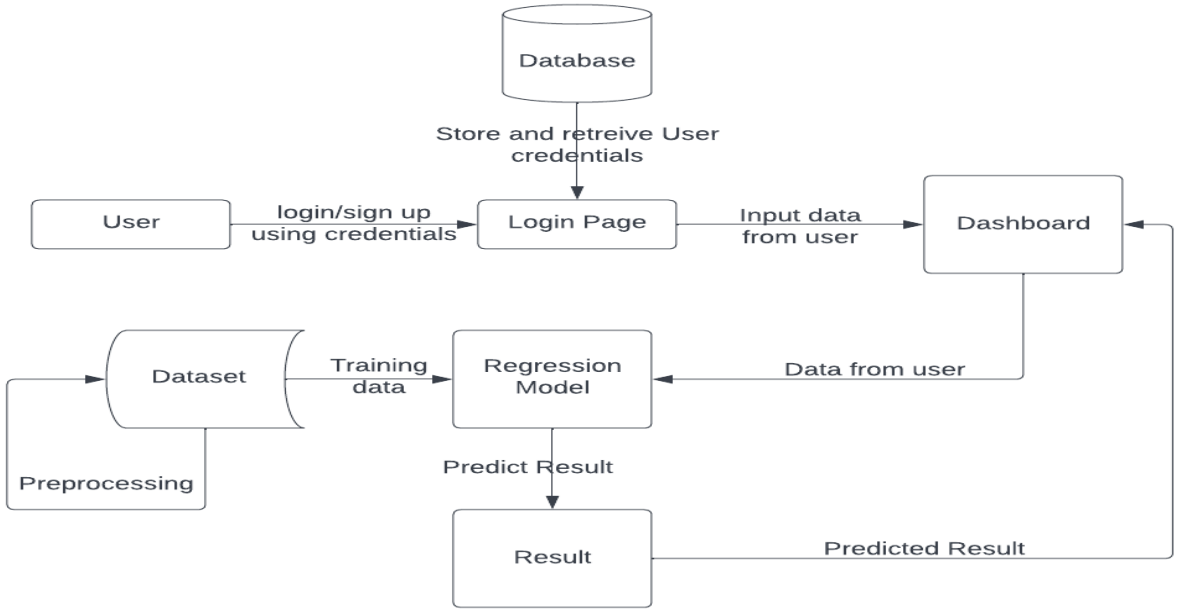
|---|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID35586 |
| Project Name | TRIP BASED FUEL CONSUMPTION PREDICTION IN MODERN FLEET VEHICLES USING MACHINE LEARNING |
| Maximum Marks | 4 Marks |

## Data Flow Diagrams:



**User Stories**:

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | Create Account in that application | High | Sprint-1 |
| Customer | login | USN-2 | As a user, I will receive confirmation email once I have registered for the application | Login using credentials | High | Sprint-1 |
| Customer | Dashboard | USN-3 | Once I enter the dashboard, I can input values. | Give input values | High | Sprint-3 |
| Customer | | USN-4 | As a User, I can get the predicted value | Get output values | High | Sprint-4 |
| Developer | Register | USN-5 | As a developer, I will store the login credentials in the database | Store User credentials in database | Medium | Sprint-2 |

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Developer | Login | USN-6 | As a developer, I'll verify the login credentials using database | Validate the user details for login | Medium | Sprint-2 |
| Developer | Dashboard | USN-7 | As a developer, I'll build a webpage useful for customers to enter input data and get predicted value | Give a web frame to input data and get output value | Medium | Sprint-3,4 |
| Developer | Model | USN-8 | preprocess the dataset and train the model with training data in dataset | Clean the dataset | High | Sprint-3,4 |