Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID02178
Project Name	Car Resale Value Prediction
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 Registration/Login │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│    User Confirmation     │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│  User Information Entry  │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│       Car Details        │
└─────────────────────────┘
            │                      Data cleaning, data reduction,
            │                          data transformation
            ▼
┌─────────────────────────┐                              ┌─────────────────────────┐
│      Pre-processing      │                              │      Training data       │
└─────────────────────────┘                              └─────────────────────────┘
            │                                                          │
            ▼                                                          ▼
┌─────────────────────────┐   ┌─────────────────────────┐  ┌─────────────────────────┐
│ Selecting the best model │ ◄─│ Training with different  │◄─│      Pre-processing      │
│   based on accuracy      │   │ Machine Learning         │  │                          │
│                          │   │ algorithms               │  │                          │
└─────────────────────────┘   └─────────────────────────┘  └─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│ Display the predicted    │
│        value             │
└─────────────────────────┘
```
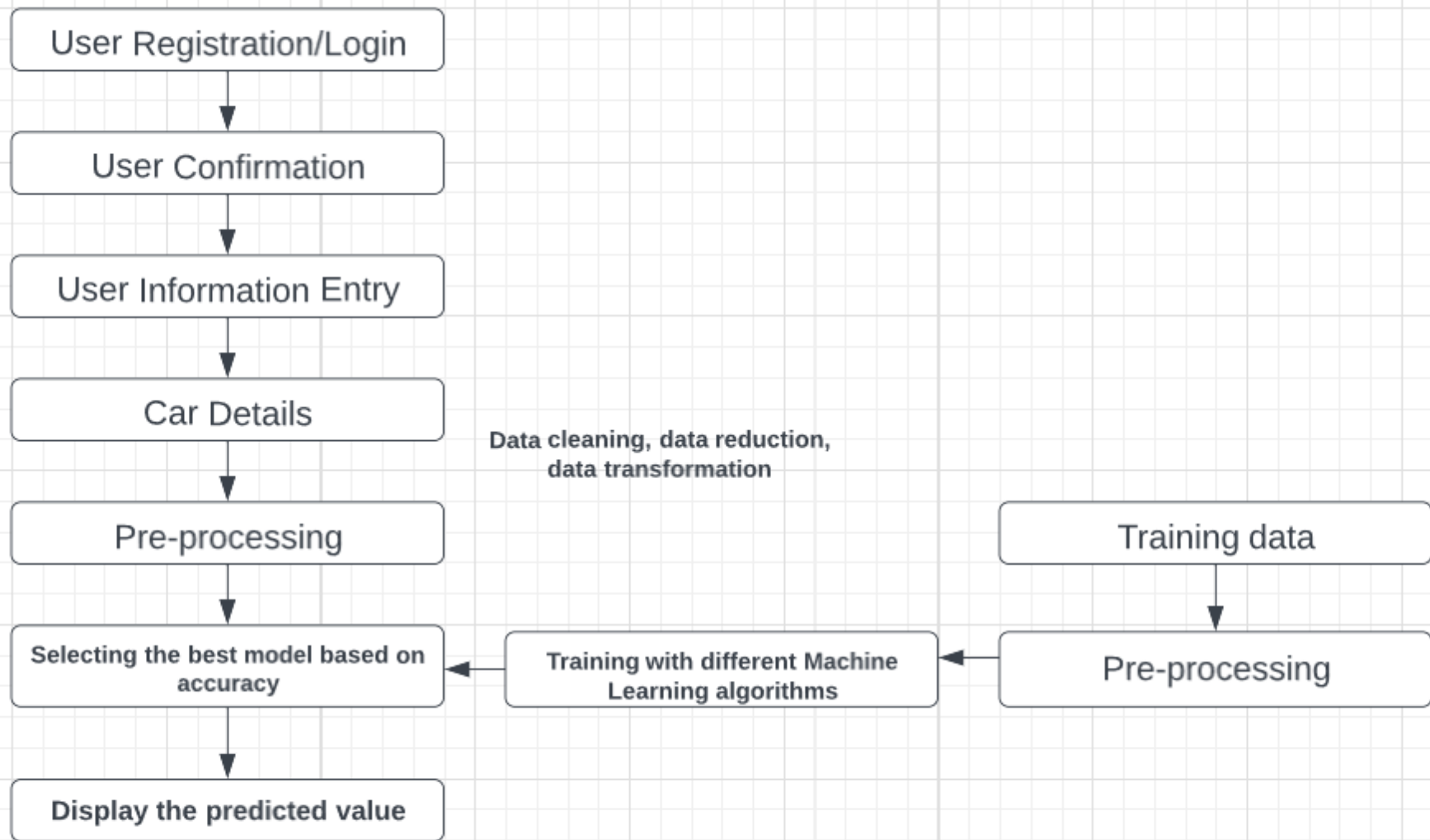
User Stories

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	High	Sprint-1
	Confirmation	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-2
	Login	USN-3	As a user, I can login into the application by entering email & password	I can access the dashboard	Medium	Sprint-1
	Dashboard	USN-4	As a user, I can see my past records and activities	I can access my past records	Low	Sprint-3
	Entry form	USN-5	As a user, I must enter my car details	I have to fill the listed attributes accurately	High	Sprint-1
	Result	USN-6	After processing, as a user I will be able to use the predicted price for my car	I can view the predicted price in the output area of the interface	High	Sprint-1
Customer Care Executive	Feedback	USN-7	As a user, I will be filling the feedback form	I can fill in the problems I faced and queries that needs to be solved	Low	Sprint-4
	Queries	USN-8	As a customer care executive, I must resolve the issues faced by the users and update them through Q&A	The queries must be sorted within 24 hours	Low	Sprint-4
Administrator	Feature Importance	USN-9	As an administrator, I should identity the most significant factors that will produce more accurate results according to the trend	I must update the attributes	High	Sprint-2
	Train Model	USN-10	As an administrator, I must use the most suitable ML model for the prediction for resale price	I must train the model more efficiently	High	Sprint-2