

## Project Design Phase-II

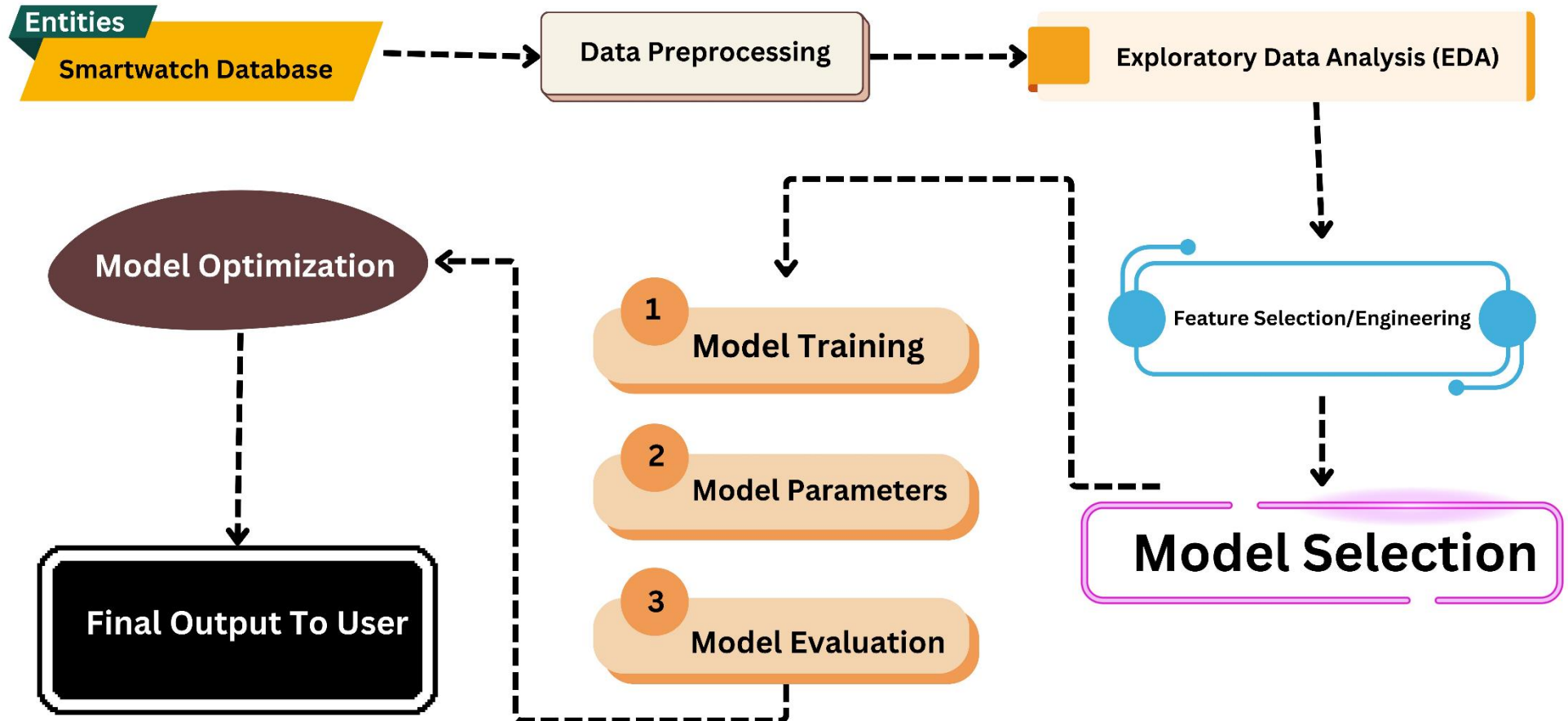
### Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	Team-593067
Project Name	Horology 2.0: Forecasting The Future of Smartwatch Prices
Maximum Marks	2 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.

## Data Flow:



## User Stories:

User Type: Data Scientist

Functional Requirement (Epic): Smartwatch Price Prediction

User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
DSN-1	As a data scientist, I can preprocess the smartwatch data to prepare it for analysis.	I can transform raw data into a suitable format for further analysis.	High	Sprint-1
DSN-2	As a data scientist, I can perform exploratory data analysis on the pre-processed data.	I can understand the relationships between different features and the target variable.	High	Sprint-1
DSN-3	As a data scientist, I can select and engineer features for the machine learning model.	I can identify the most relevant features for predicting smartwatch prices.	High	Sprint-2
DSN-4	As a data scientist, I can select an appropriate machine learning model for price prediction.	I can choose a model that is suitable for regression tasks.	High	Sprint-2

<b>DSN-5</b>	As a data scientist, I can train the selected model on the training dataset.	I can fit the model to the training data and adjust its parameters.	High	Sprint-3
<b>DSN-6</b>	As a data scientist, I can evaluate the performance of the trained model.	I can assess how well the model predicts smartwatch prices using appropriate metrics.	High	Sprint-3
<b>DSN-7</b>	As a data scientist, I can optimize the performance of the model if necessary.	I can improve the model's performance by tuning its parameters or using advanced techniques.	Medium	Sprint-4