

# Wireframe Stores Sales Prediction

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## Document Version Control

Date	Version	Description	Author
27-04-2023	1.0	Abstract	Amit Kumar
28-04-2023	1.1	User Input	Amit Kumar
28-04-2023	1.2	Result Page	Amit Kumar

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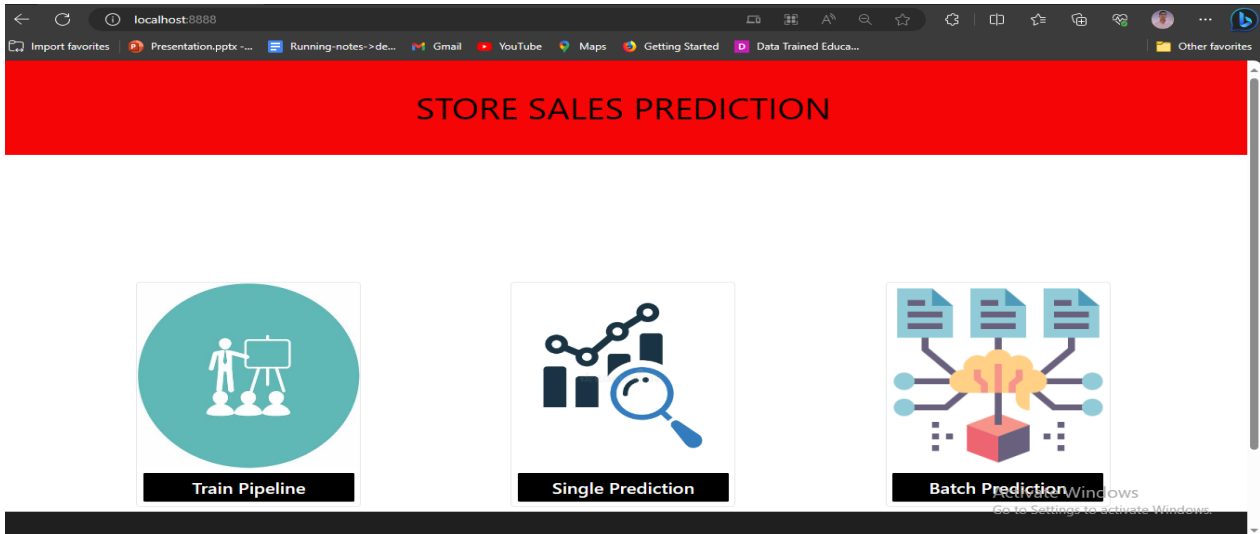
## **Abstract**

In today's retail landscape, shopping malls and Big Marts meticulously collect and store individual item sales data for consumer insights. This data-driven system involves data ingestion, transformation, model building, and batch predictions, stored in a secure data warehouse. We also prioritize user accessibility with an intuitive interface, bridging the gap between data and actionable insights. Our modular architecture, algorithms, and visualizations showcase our technical prowess, paving the way for a retail future where anomalies and patterns become strategic assets.

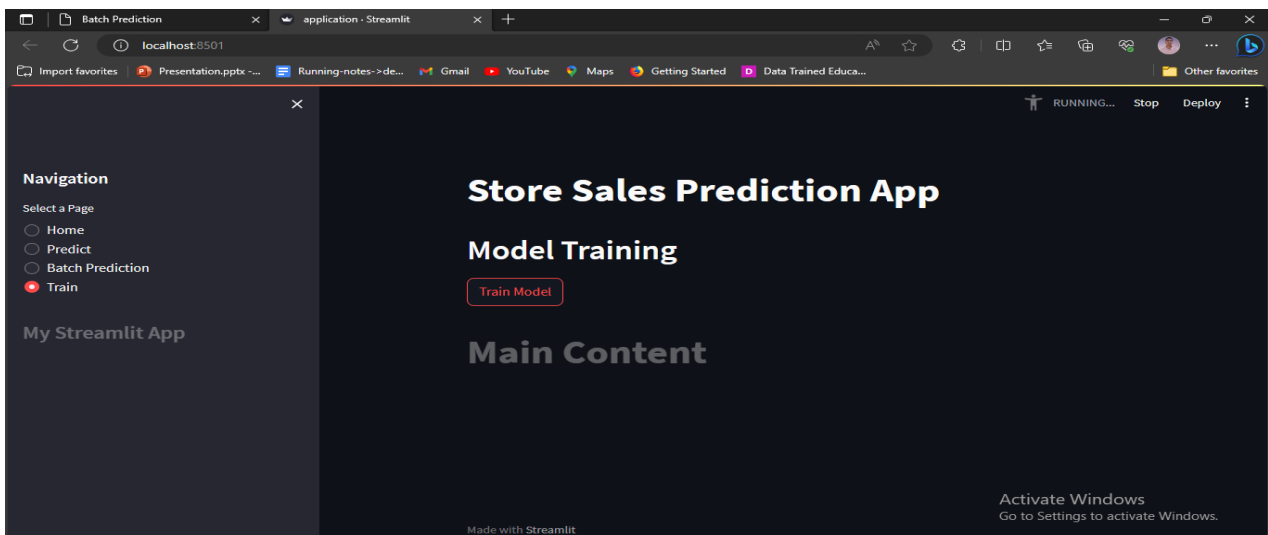
## 1. Web Interface

Our web page is one single interface where both input from the user and the prediction is displayed.

### LocalHost



### streamlit Cloud

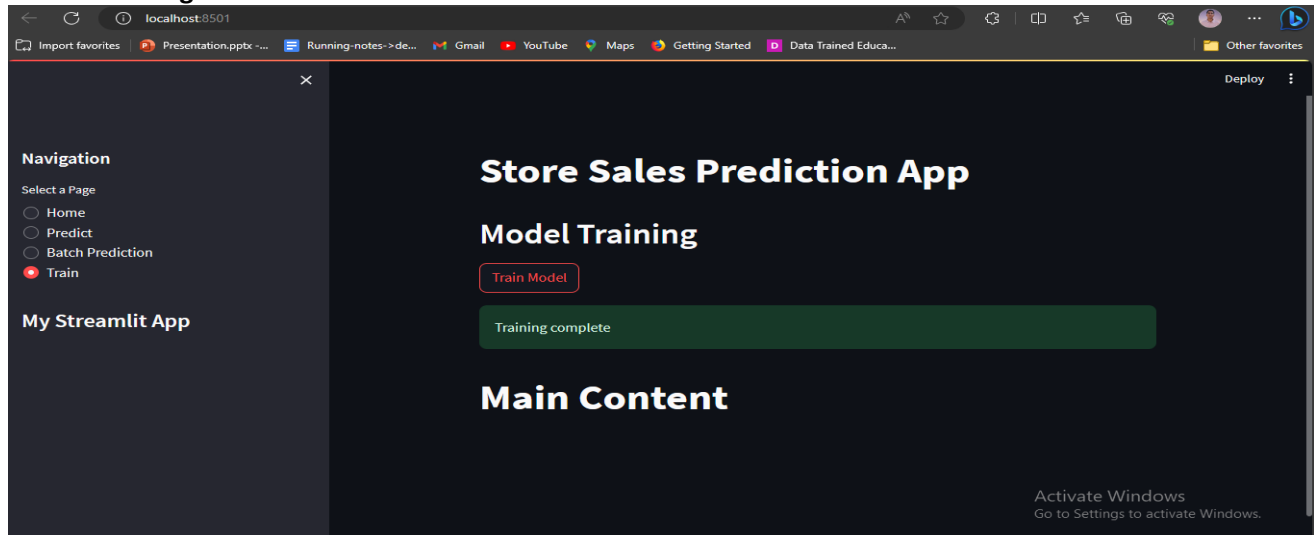


## 2. Model Training

### Model Training Localhost



## Model Training Streamlit



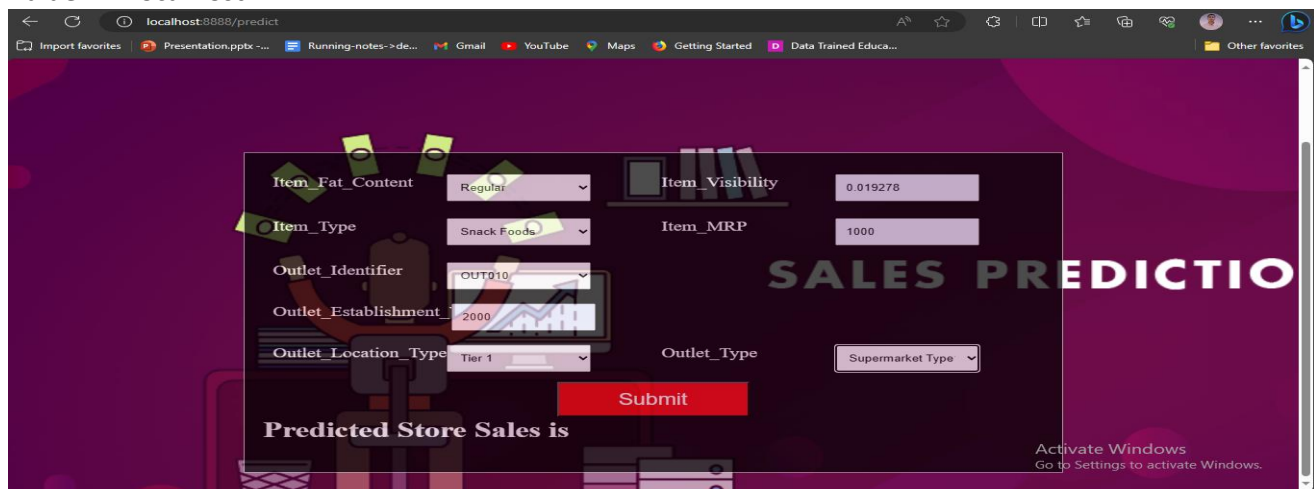
## 3User Input

Whenever the user hits our url , they first see the user input page here they have to provide the information like:

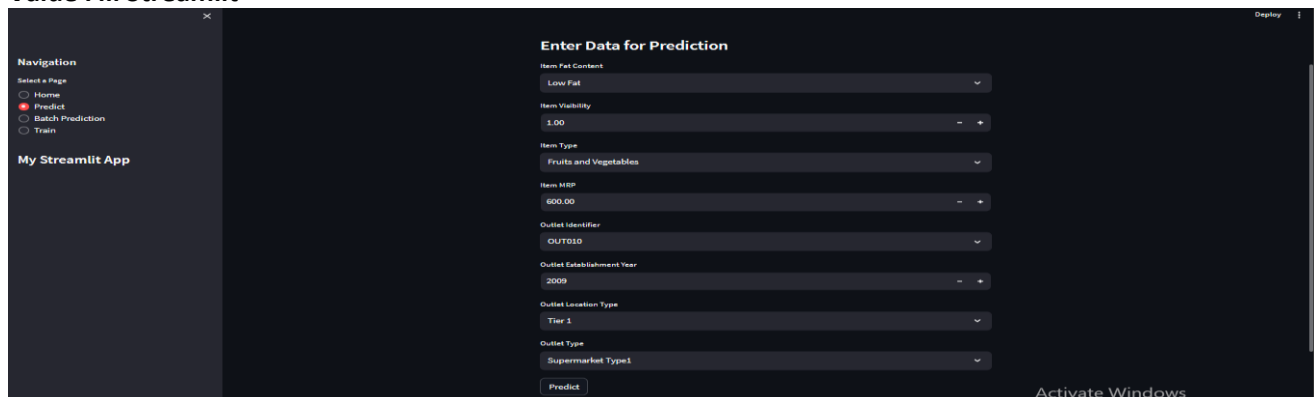
Every user input has its own dropdown where the user can select their input.

After providing the required input and pressing the submit button, the page refreshes and displays the output

### Value Fill LocalHost



### Value Fill Streamlit



## 4.Result Page

After the user hits the submit button the page gets refreshed and the results are being displayed in the highlighted area in the above frame.

The user can refill all the inputs in same page and get the results in the same way.

### Result Localhost

Item\_Fat\_Content: Low Fat

Item\_Type: Fruits and Vegetab

Outlet\_Identifier: OUT010

Outlet\_Establishment: Enter YEAR

Outlet\_Location\_Type: Tier 1

Item\_Visibility: Item Visibility (float)

Item\_MRP: Enter MRP (float)

Outlet\_Type: Supermarket Type

**Submit**

**Predicted Store Sales is 3738**

### Result Streamlit

Navigation

Select a Page

- Home
- Predict**
- Batch Prediction
- Train

My Streamlit App

Outlet Establishment Year: 2009

Outlet Location Type: Tier 1

Outlet Type: Supermarket Type1

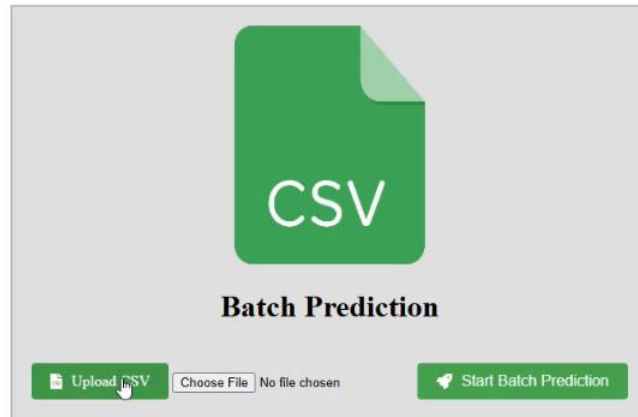
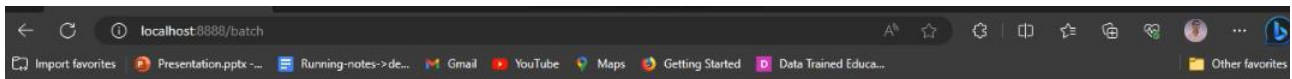
**Predict**

**Predicted Store Sales is: 3646**

**Main Content**

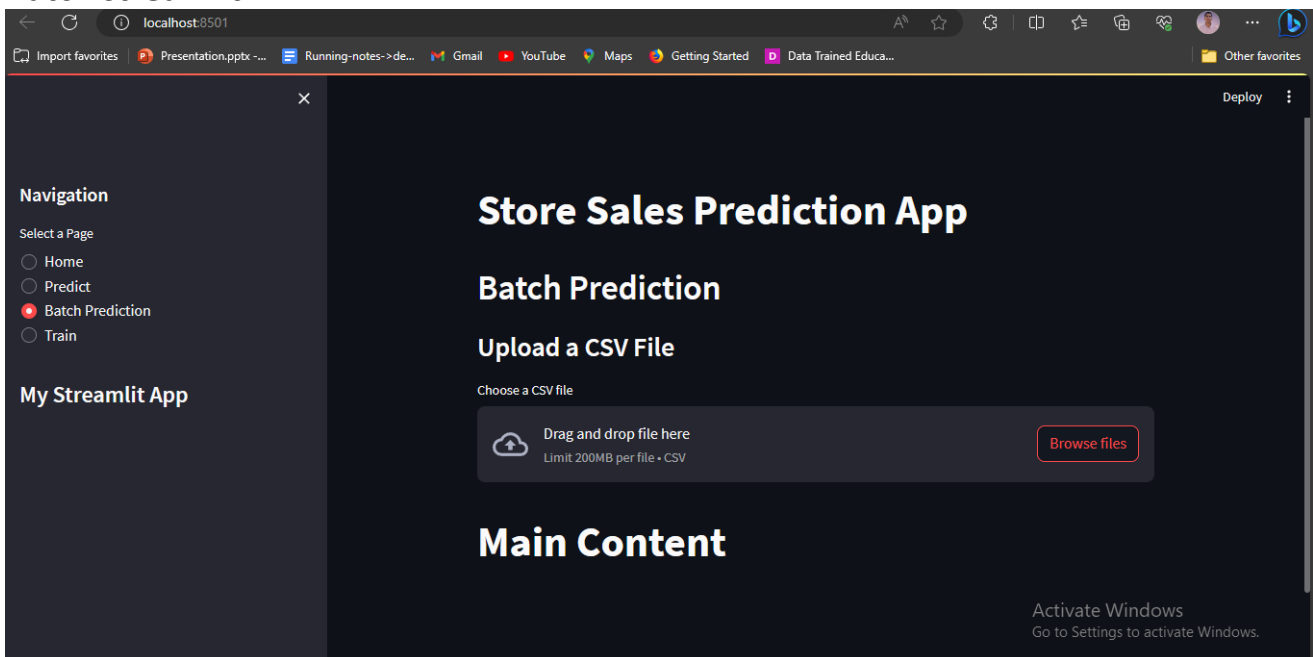
## 5.Batch Prediction

## Batch Localhost



Activate Windows  
Go to Settings to activate Windows.

## Batch streamlit

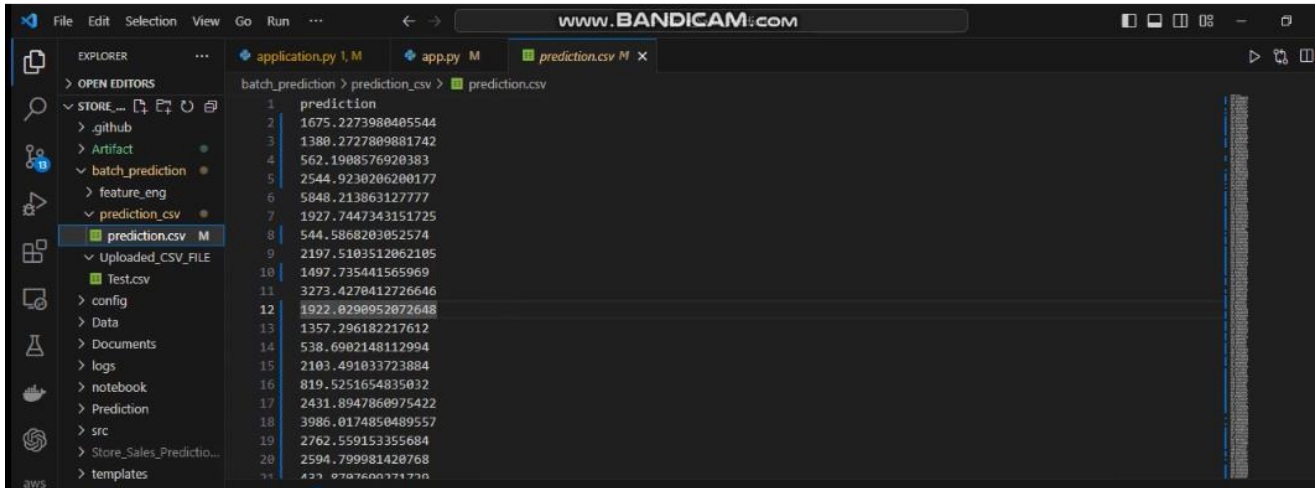


Activate Windows  
Go to Settings to activate Windows.

## 6.Batch Prediction Output:



## Localhost:



## Streamlit:

