Below is a suggested wireframe for the **BigMart Sales Prediction Project**, illustrating the key screens and interface elements for the web application where users can interact with the sales prediction model.

1. Home Dashboard Screen

Wireframe Layout:

- **Navbar:** Contains links for navigating between the homepage, prediction, view analysis, and settings.
- Call to Action (CTA) Buttons:
 - **Predict Sales Now:** Redirects to the sales prediction page where users can input new data.
 - **View Analysis:** Displays a page showing key insights and visualizations based on the sales data.

2. Predict Sales Screen

Wireframe Layout:

	BigMart Sales Prediction
[NavBar] Home Pre	dict Sales View Analysis Settings
[Predict Sales for	-
[Form: Product/Stor	e Details]
Item Identifier:	[]
Item Weight:	[]
Item Fat Content:	[Low Fat Regular High Fat]
Item Visibility:	[]
Item Type:	[]
Item MRP:	[]
Outlet Identifier	:: [
Outlet Size:	[Small Medium Large]
Outlet Location:	[Urban Rural Suburban]
L Outlat Tuna.	[Supermarket Grocery]

	[Button: Predict Sales]
 	[Predicted Sales: \$]

- Form: Allows the user to input the product and store details (e.g., Item_Identifier, Item_Weight, Item_Type, etc.) and submit the form.
- **Prediction Button:** On clicking "Predict Sales," the system predicts the sales using the model and displays the result.
- **Predicted Sales Output:** Displays the predicted sales for the entered product/store combination.

3. Data Upload Screen (Optional)

Wireframe Layout:

BigMart Sales Prediction	
[NavBar] Home Predict Sales View Analysis Settings	- I
 [Bulk Data Upload for Prediction] [File Upload]	
Choose CSV File: [] [Browse Button]	 -
 [Button: Upload and Predict] 	
 [Download Predicted Sales] 	

- File Upload: Allows users to upload a CSV file containing product/store details.
- **Upload and Predict Button:** Triggers batch predictions for all items in the uploaded file.
- Download Predicted Sales: Allows users to download a CSV file with the predicted sales values.

4. View Analysis Screen

Wireframe Layout:

- Graphical Insights: Includes various plots such as:
 - Sales vs. Item MRP (scatter plot).
 - Sales by Outlet Type (bar chart).
 - Sales by Item Category (bar chart).
- **Download Report:** Allows users to download a PDF or CSV report summarizing the insights.

5. Settings Screen

Wireframe Layout:

- **Model Selection:** Users can select different models (e.g., Linear Regression, Random Forest, XGBoost) to use for predictions.
- **Save Settings:** Allows the user to save their preferences for model selection or other settings.

6. Error Screen

Wireframe Layout:

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- **Error Message:** Provides feedback if something goes wrong (e.g., invalid input, server issues).
- Return to Home Button: Directs the user back to the home screen.

Summary of Pages:

- 1. **Home Dashboard:** Introductory page with quick links.
- 2. Predict Sales Page: Input form for predicting sales.
- 3. Data Upload Page: Optional feature for bulk data upload and batch predictions.
- 4. View Analysis Page: Graphical insights and data visualizations.
- 5. **Settings Page:** Options to configure the model and other preferences.
- 6. Error Page: Displays error messages when issues occur.