



Tecnológico de Monterrey

Hosted Challenge App

Data Analytics and Artificial Intelligence Tools 2 (Gpo 101)

Team: Le Frites

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November 30, 2025

Screenshot of the GitHub Repository and the link to access it.

The screenshot shows a GitHub repository interface. The URL in the address bar is <https://github.com/humgzee18-commits/M6/tree/main/SPCH>. The repository name is `humgzee18-commits / M6`. The main navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The left sidebar shows the file tree under the `SPCH` folder, which contains files like `_streamlit`, `artifacts`, `encoders.joblib`, `feature_lists.json`, `work_engineered.csv`, `xgb_price_fastshallow.joblib`, `xgb_qty_fastshallow.joblib`, `.gitignore`, `Streamlit_Project_Dashboard.py`, `Streamlit_Project_Dashboard_Team Le Frites.docx`, `Streamlit_Project_Dashboard_Team Le Frites.pdf`, `base_consolidada_modified.csv`, `requirements.txt`, `run.sh`, `whirlpool.jpg`, and `whirlpool.png`. The right panel displays the commit history for the `SPCH` folder, showing the following commits:

Name	Last commit message	Last commit date
..		8 hours ago
<code>_streamlit</code>	changes again	8 hours ago
<code>artifacts</code>	changes again	8 hours ago
<code>.gitignore</code>	challenge changes	3 hours ago
<code>Streamlit_Project_Dashboard.py</code>	cha	1 hour ago
<code>Streamlit_Project_Dashboard_Team Le Frites.docx</code>	changes again	8 hours ago
<code>Streamlit_Project_Dashboard_Team Le Frites.pdf</code>	changes again	8 hours ago
<code>base_consolidada_modified.csv</code>	changes again	8 hours ago
<code>requirements.txt</code>	challenge changes	3 hours ago
<code>run.sh</code>	challenge changes	3 hours ago
<code>whirlpool.jpg</code>	changes	2 hours ago
<code>whirlpool.png</code>	changes	2 hours ago

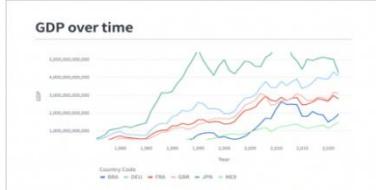
Link: <https://github.com/humgzee18-commits/M6/tree/main/SPCH>

Screenshot of the app deployed and the link to access it.

humgzee18-commits' apps

- m5_individual_assign · main · M5_IndividualA.py
- m6 · main · SPCH/Streamlit_Project_Dashboard.py**
- m6 · main · Testing_Streamlit_A00837328.py

Get started from a template



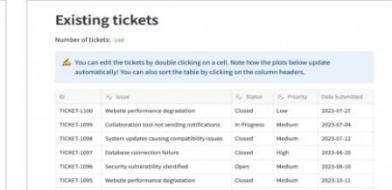
GDP dashboard

View demo



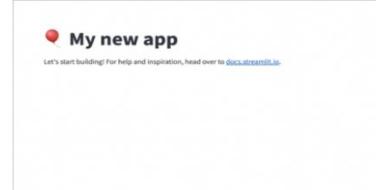
Chatbot

View demo



Support tickets

View demo



Blank app

View demo

View all templates →

appprojectdashboardpy-wjfxq9k66ojgjr6bcfewq.streamlit.app

Whirlpool CORPORATION

Page

- Historical Overview
- Predictions & Scenarios

Filters

Trade Partner(s)

Choose options

Add SKU by code

Type an exact SKU code and click 'Add'
e.g., 8MWTW2024WJM

Add SKU Clear all SKUs

No SKUs selected → showing all SKUs.

Start date

2023/01/09

End date

2025/07/28

Historical Insights & Prediction Console (Prototype)

> Dataset snapshot & schema

KPIs

TOTAL HISTORICAL REVENUE	TOTAL HISTORICAL UNITS	AVG FINAL PRICE	AVG INVENTORY
\$20,719,717,045	2,360,370	\$15,023.43	56

Overview

Chart Filters

Top-N SKUs

3 5 10

Granularity

Week Month

Limit weekly view to a ≤ 12-week window.

Week window start

2023/01/09

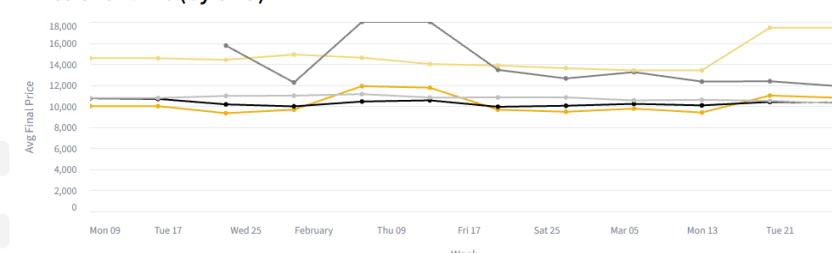
Week window end

2023/04/02

Metric over time

Price Quantity Revenue

Price over time (by SKU)



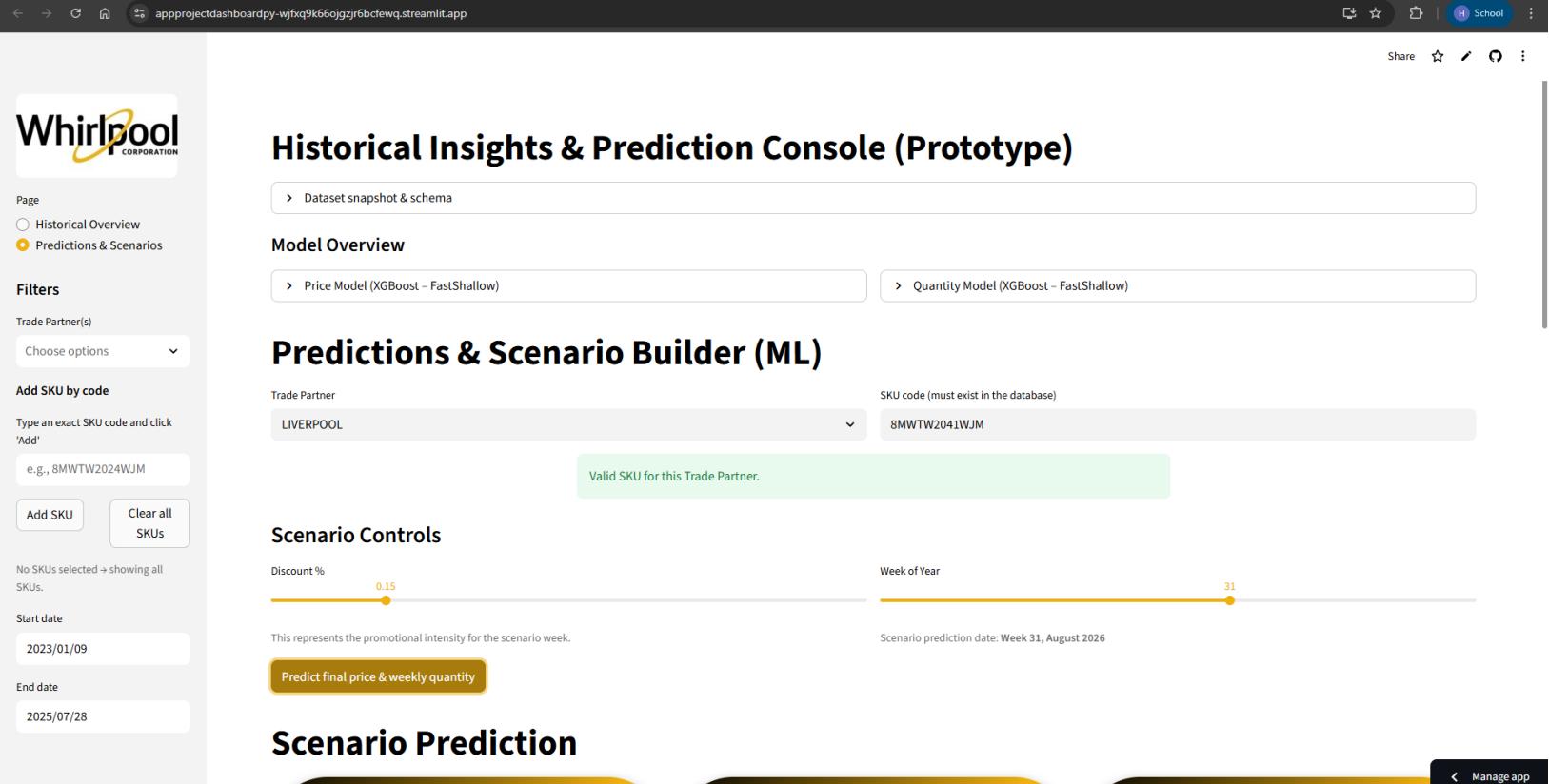
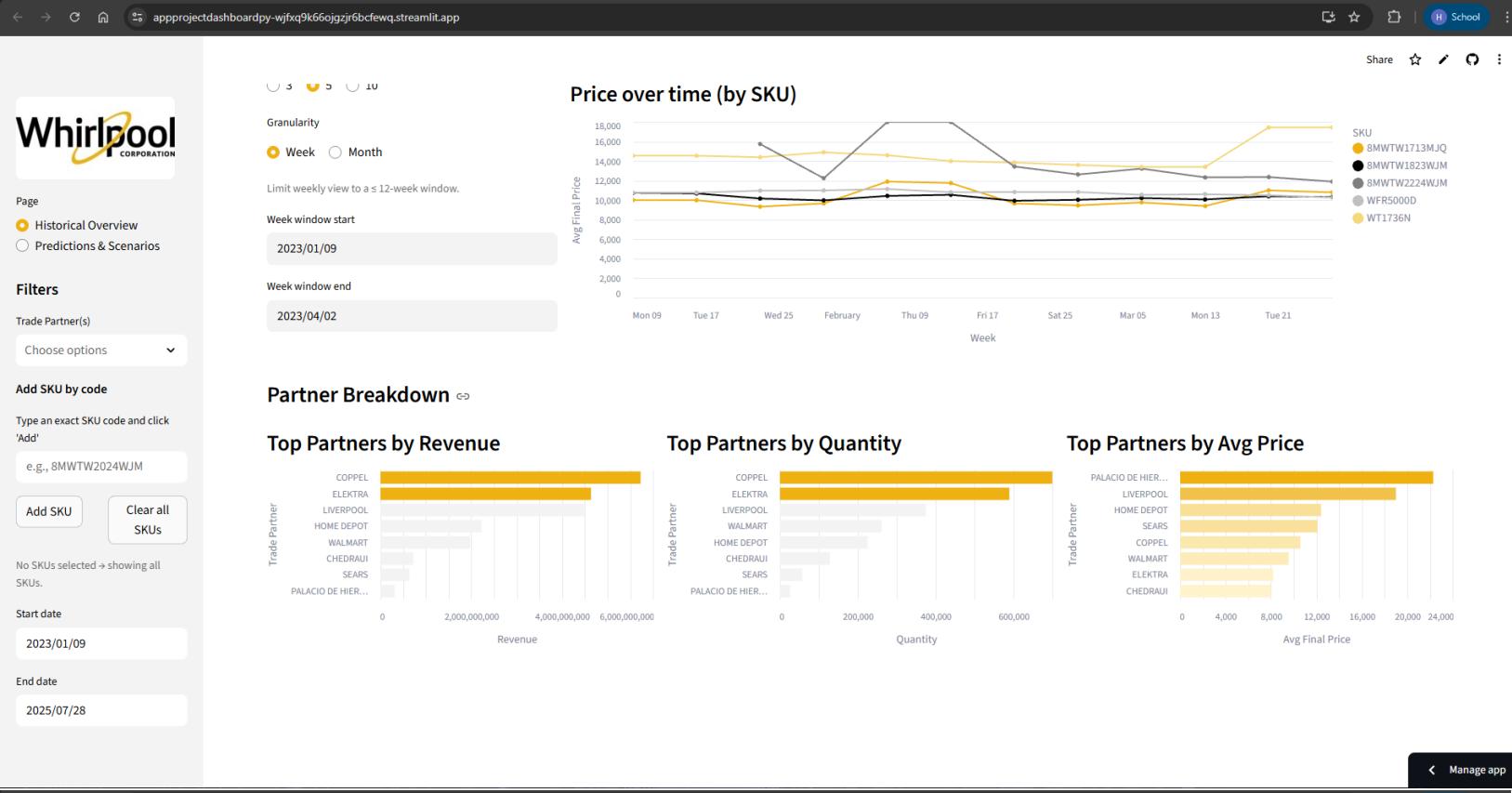
Avg Final Price

Week

SKU

- 8MWTW1713MJQ
- 8MWTW1823WJM
- 8MWTW2224WJM
- WFR500D
- WT1736N

Manage app



← → ⌂ appprojectdashboardpy-wjfxq9k66ojgzjr6bcfewq.streamlit.app

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Whirlpool CORPORATION

Predict final price & weekly quantity

Scenario Prediction

31 Predicted Final Price **\$11,585.12**

8 Predicted Weekly Quantity **8 units**

9 Estimated Revenue **\$94,386**

WHIRLPOOL PROFIT AFTER POLICIES AND VARIABLE COSTS

\$53,676 This approximate DCM is computed as: Net revenue after policy % minus variable costs (product, freight, SG&A, warranty), using the cost structure historically observed for this TP × SKU.

Historical Context vs Prediction

Final Price – Historical vs Scenario

No SKUs selected → showing all SKUs.

Start date: 2023/01/09

End date: 2025/07/28

Add SKU Clear all SKUs

Manage app

Link: <https://appprojectdashboardpy-wjfxq9k66ojgzjr6bcfewq.streamlit.app/>