

Team 127
TensionFlow
Smart-Mart

Shopping just got personal.

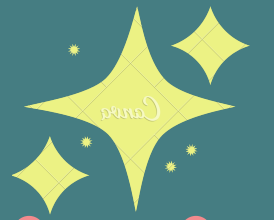
abhay mathur
shreya shah
devansh rathor





Problem Statement

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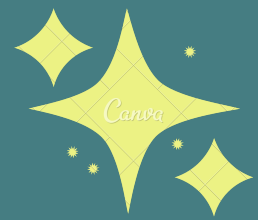
Aim:

building an advanced chat-based e-commerce platform,
Saty aims to:

- Streamline ordering with intelligent interfaces.
- Tailor suggestions using machine learning.
- Forecast future needs for proactive inventory management.
- Boost operational efficiency and revolutionize customer experience.

resulting in increased customer satisfaction and
enhanced operational efficiency.





Unique Selling Points

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01

Object Detection on user
uploaded image to recognise an
object and recommend similar
products in the Smart-Mart
application

02

Sustainability/Eco-Friendly
tags on products based on
keyword extraction from
product details

03

Sentiment analysis on
customer reviews to
categorize them and gain
insights on user preferences
regarding every product



Notable Features

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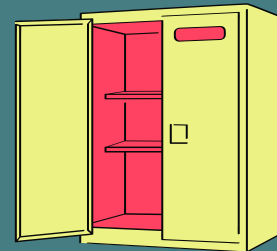
Dynamic Stock Updates

Based on previous year's transactions, forecasting demand using LSTM, preventing over-stocking



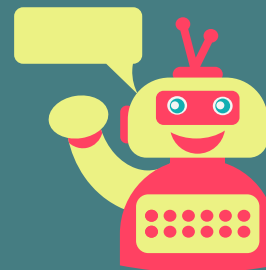
Add-ons recommendation

Simplify shopping experience by using Apriori algorithm on personal order history to suggest products to be added to cart



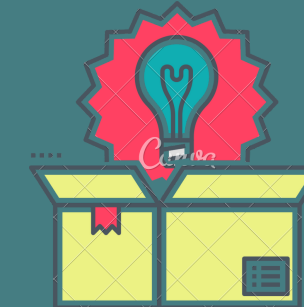
Low-Stock Notification

Based on the LSTM prediction, notification is sent when available stock is below a predefined threshold



Multi-Functional ChatBot

ChatBot using Gemini API to place order directly and to recommend products based on user gives requirements



Product Recommendations

Market Basket Analysis using Apriori algorithm on global order history to recommend products bought together

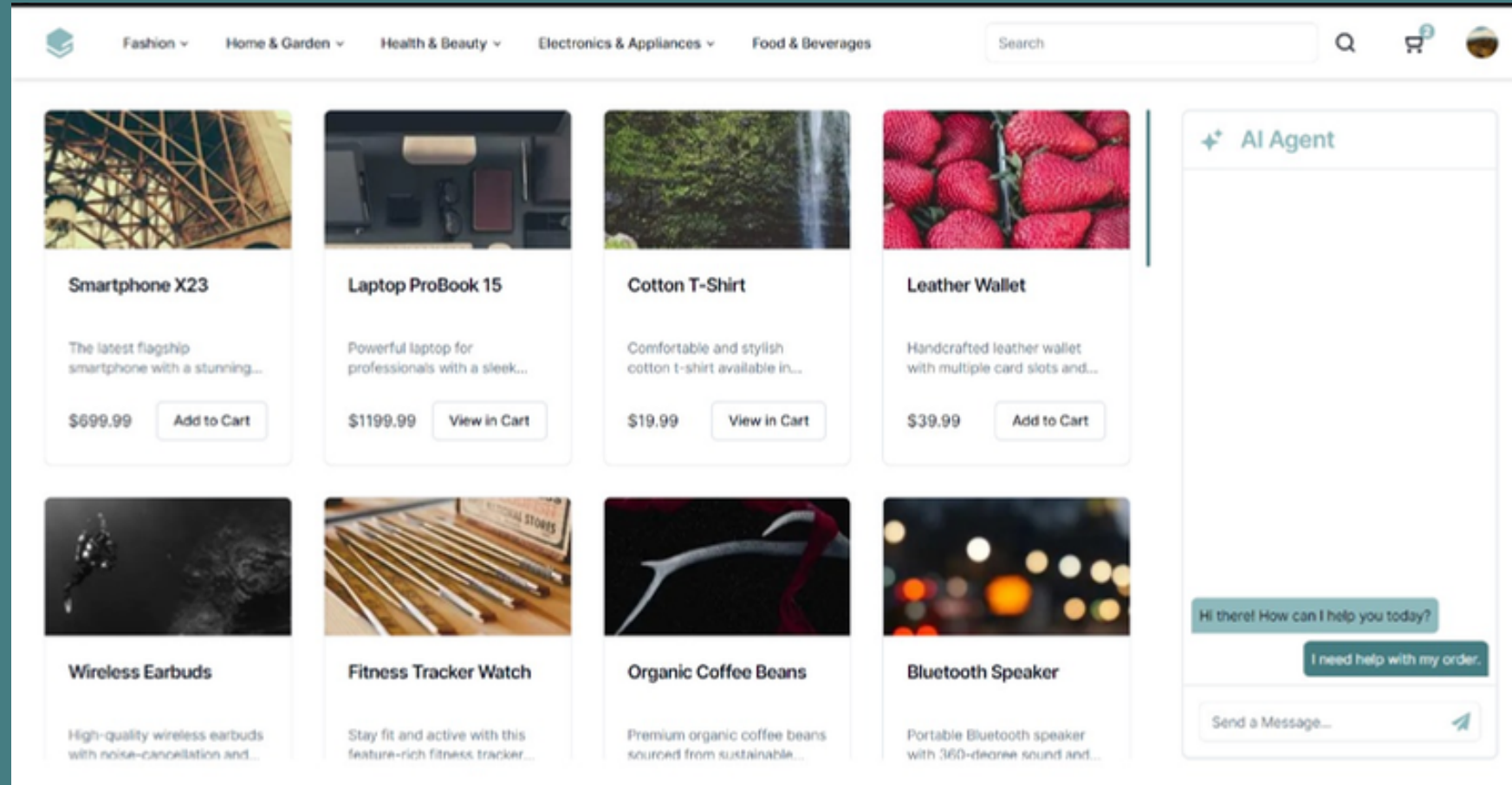


Smart Search Function

Search provides smart relevant results ordered by similarity related to category and brand of searched product

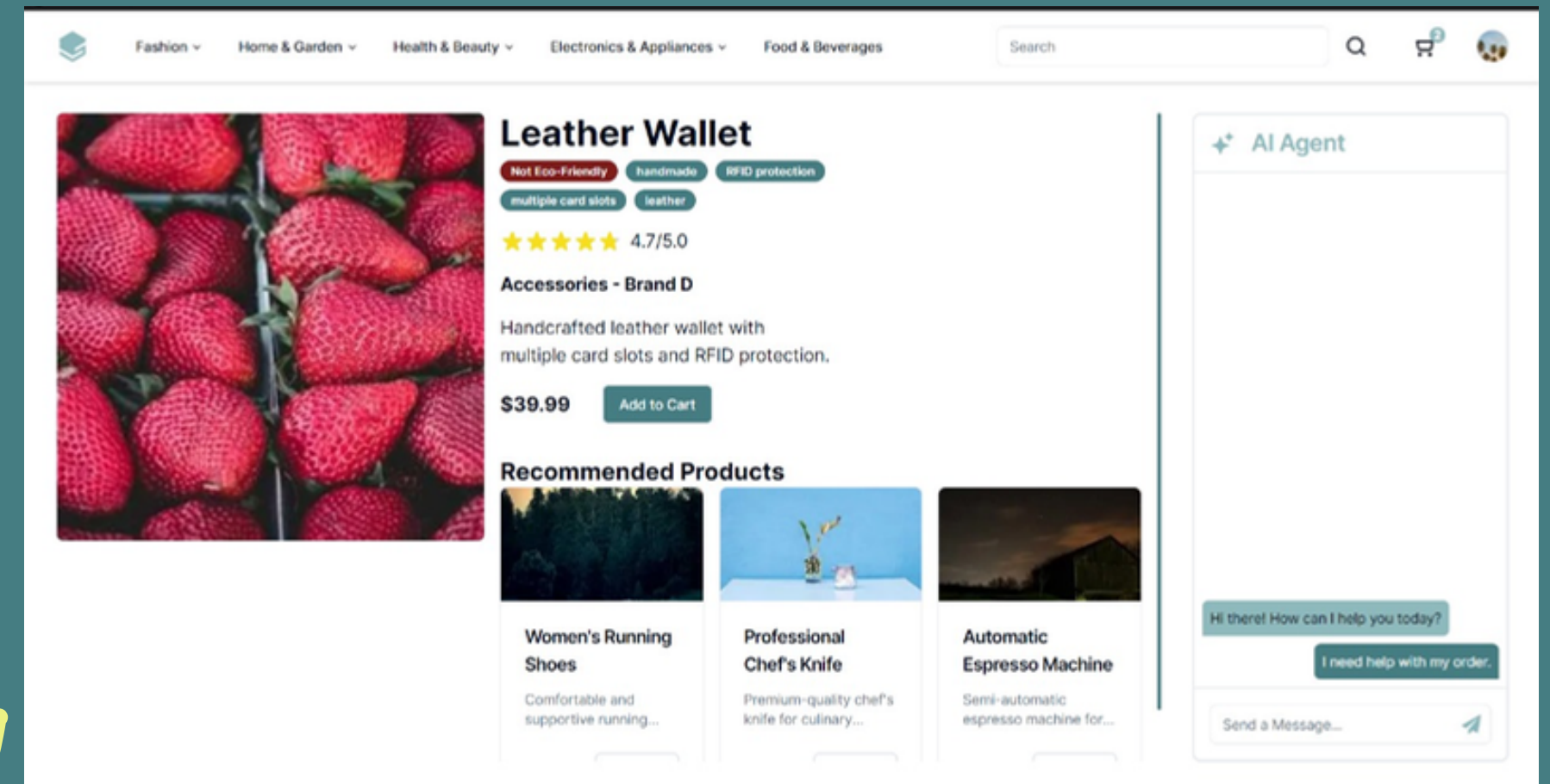
User Interface

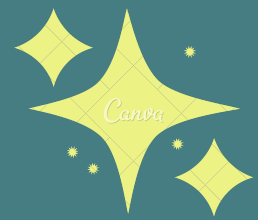
User Pages



Home Page

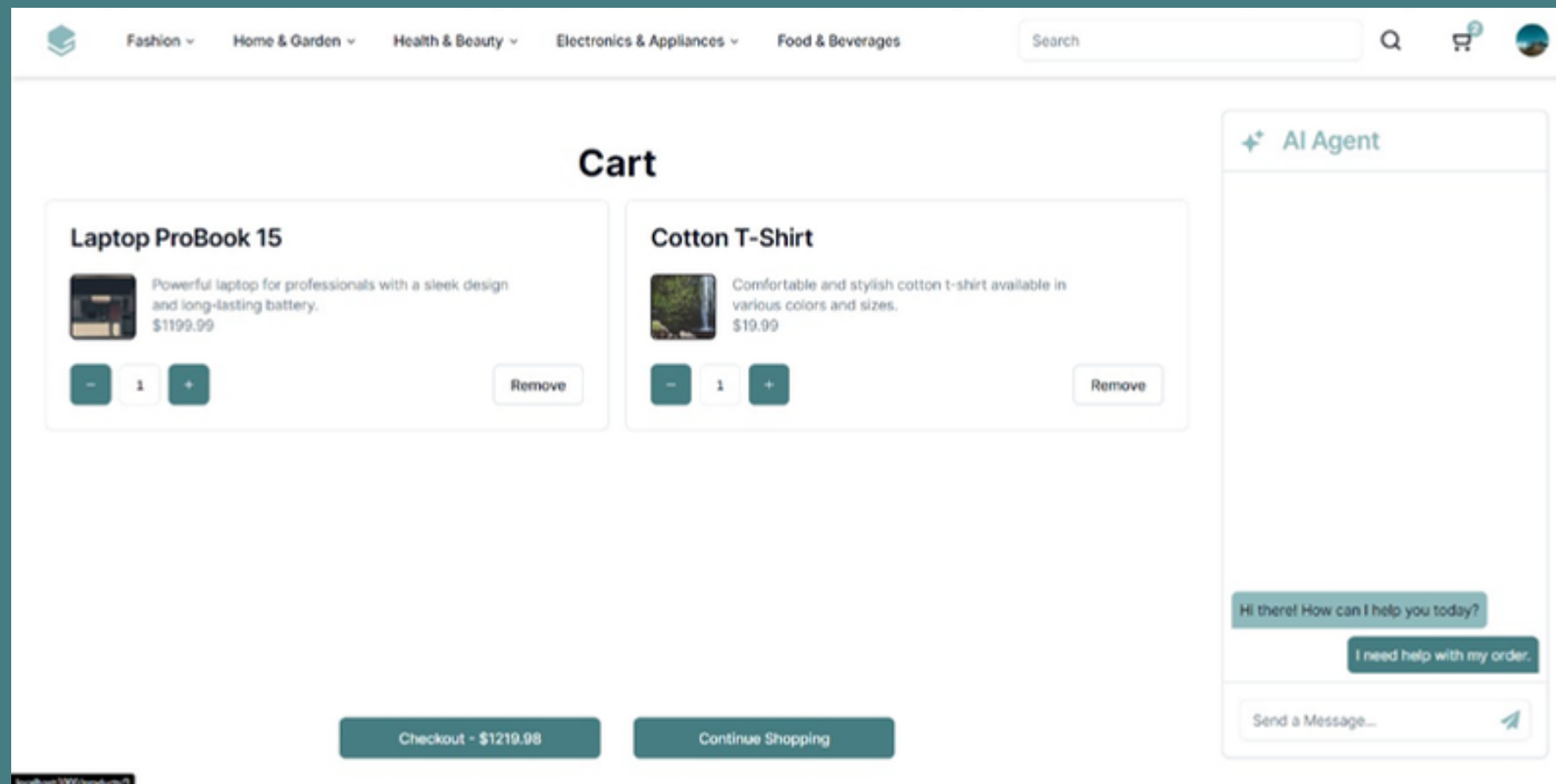
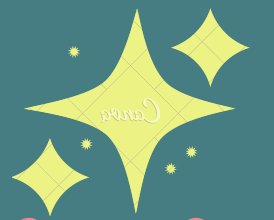
Product Page





User Interface

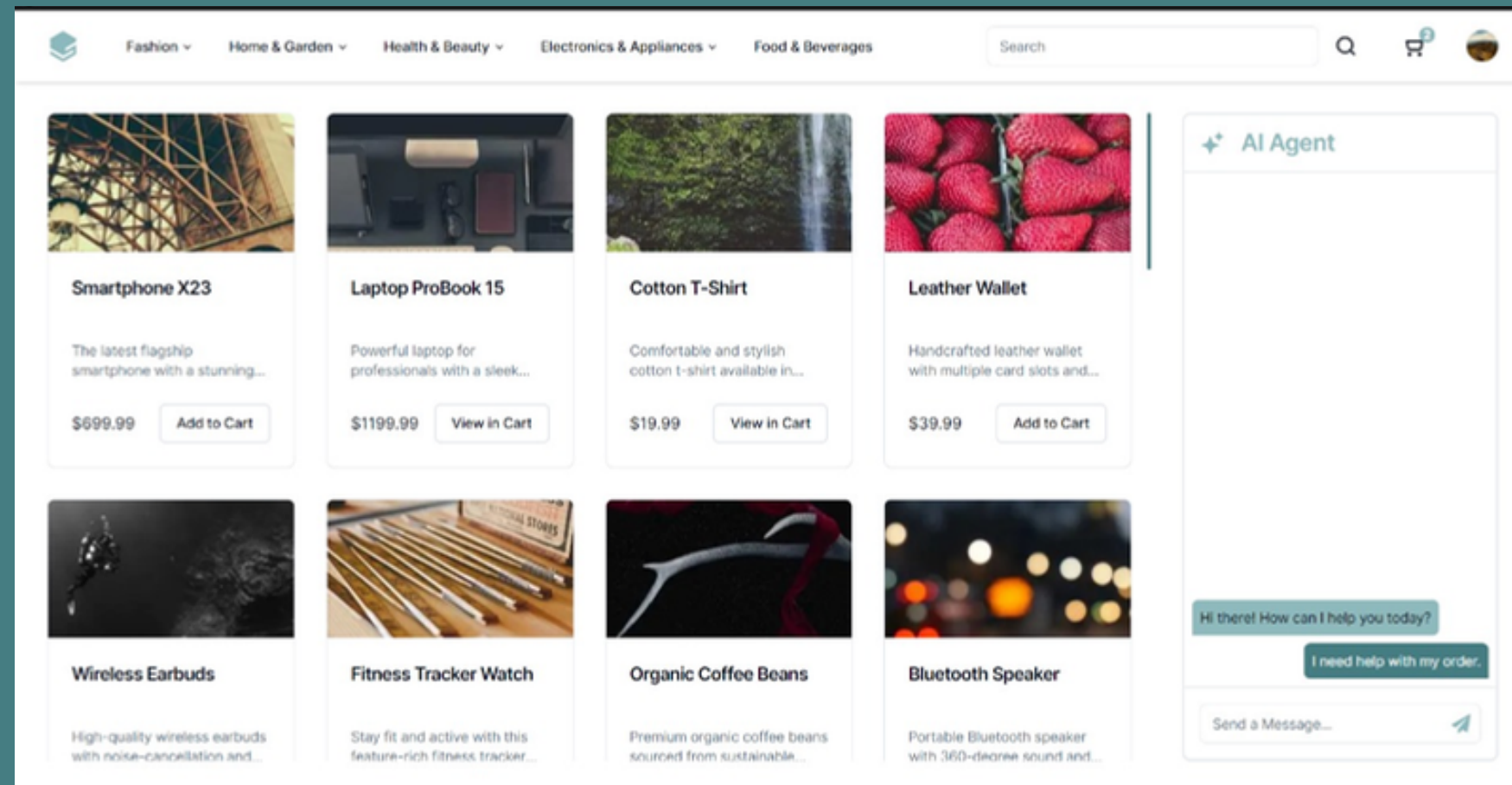
User Pages



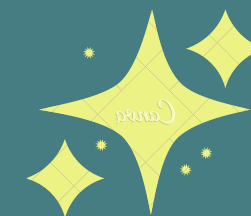
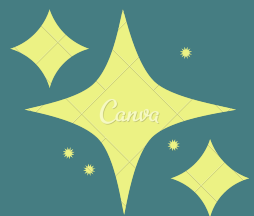
Cart

User Interface

Admin Pages



Admin Page



Thank You

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