

Savvy Shopper

By the Saavy Shoppers

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Introduction

- Ecommerce prices can fluctuate rapidly and randomly
- To obtain the best deals we need to know when the price drops asap
- Targeting young men and women
 - Gamers/PC Builders
 - Trendy Clothing Enthusiasts
 - And more!

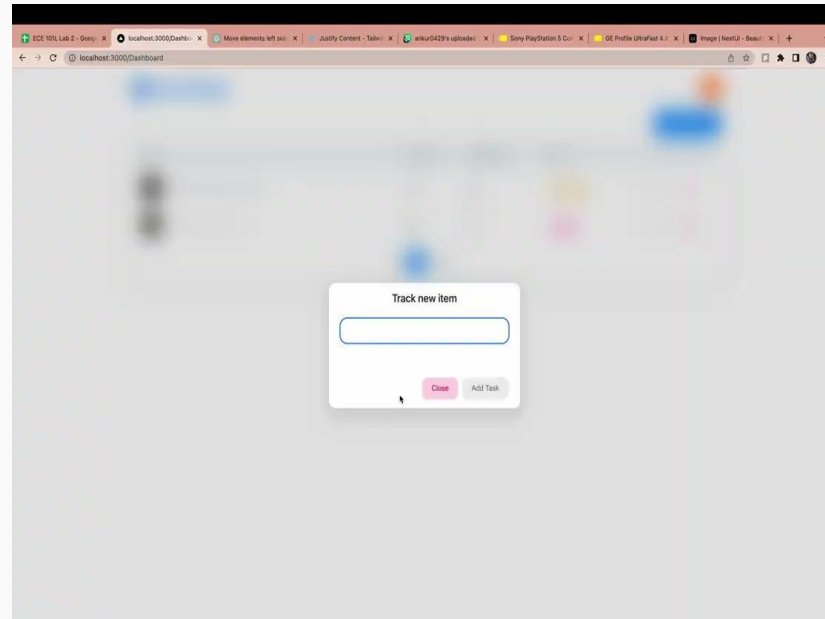
Goals

- Make a functional UI
- Give users the ability to track the prices of items
- Notify the users when the price of a chosen item is on sale
- Display a viewable graph to show users the trends of chosen items

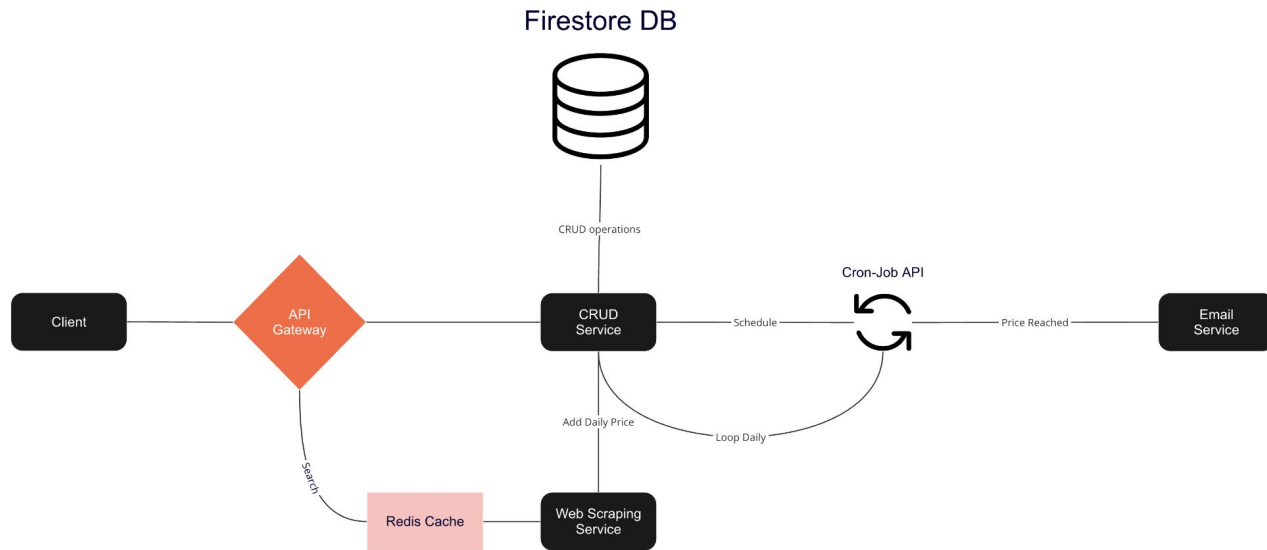
Biggest Challenges

- Making a reliable web scraper
- Creating a functional UI

Demo



System Overview



Technologies Used

- **VSCode**
 - Used to build the web scraper
- **Firebase**
 - Use to build the server and connects the users, client, and web scrapers
- **NextJS**
 - Language used to build the web server applic
- **Python**
 - Language used to build web scraper
- **Plasmo**
 - Extension
- **Vercel**
 - Used to deploy the application
- **GitHub**
 - Document, store, and track progress of product

Project Management Techniques

- SCRUM
- Planning Poker
- Agile Planning

Highs and Lows

- Things We Enjoyed
 - Learning to use multiple real world technologies
 - Working together in a group to discuss how to resolve problems and plan ahead
- Things We Didn't Enjoy
 - Web scrapers had many kinks to work out
 - Many technologies were locked behind paywalls
 - Many ecommerce platforms blocked us from accessing critical information

Lessons Learned

- Abiding by SCRUM management principles helped keep our team on track
- Consulting with the TA was extremely helpful
- Teamwork makes the dream work

Thanks for Watching