

Abstract

Real Deal was built as a web application that syncs with various online stores and displays current information about their prices of available products, thus enabling users to compare the current prices of a product across multiple storefronts. Users are able to create an account to help keep track of products that they are interested in via a wishlist and will receive email alerts when the price of that product has dropped below their desired threshold value.

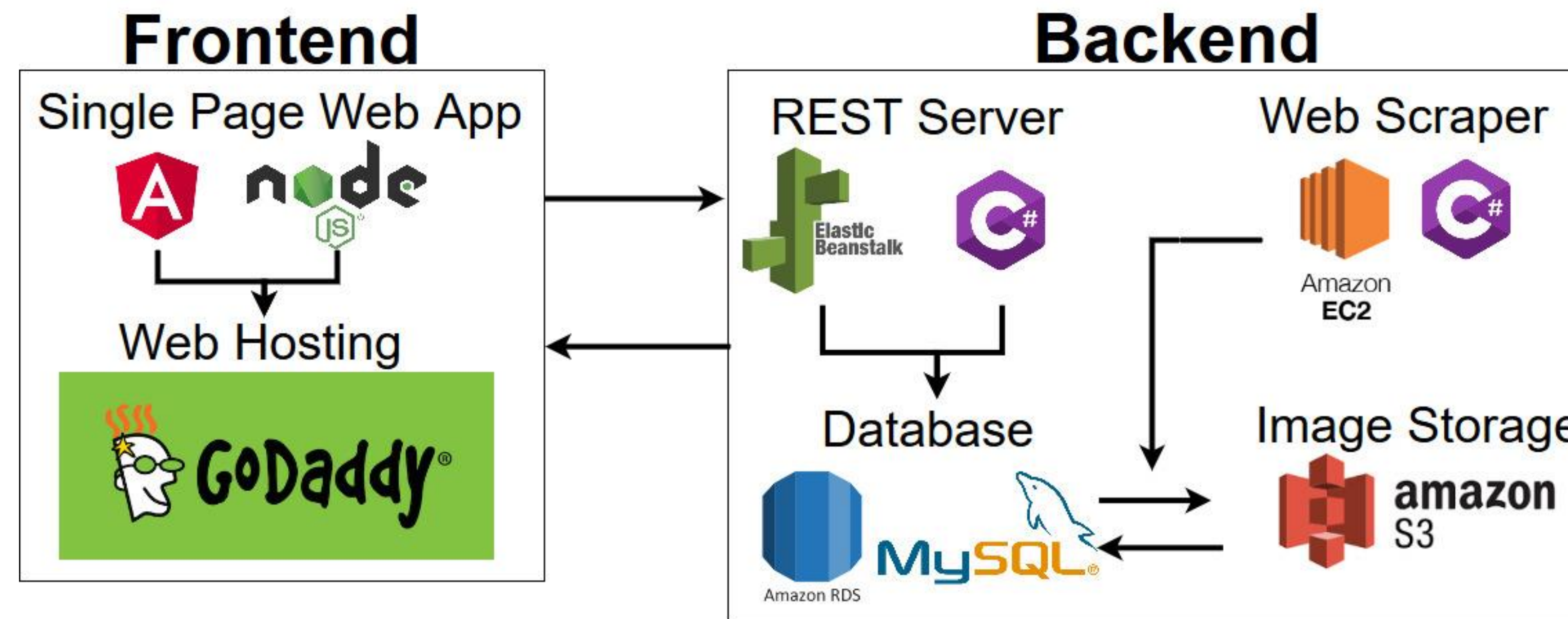
Motivation

- Aggregate data from a variety of retailers to compare prices
- Track the history of a product to determine its trends
- Receive notifications for products when they have fallen below a certain price

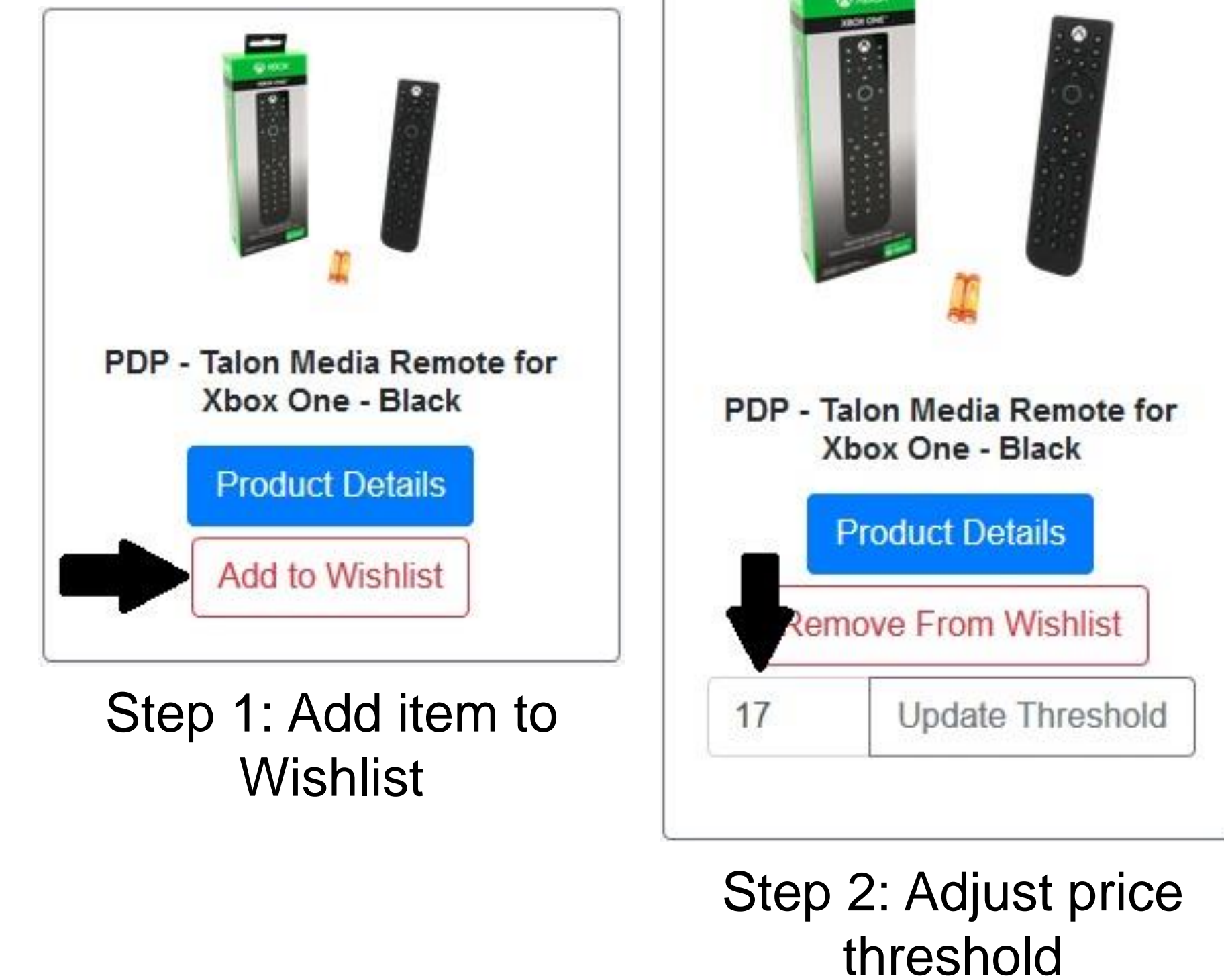
Key Features

- Displays popular products
- Price tracking chart
- Shopping cart
- Web scraper/API parsing
- Wishlist
- Email notifications

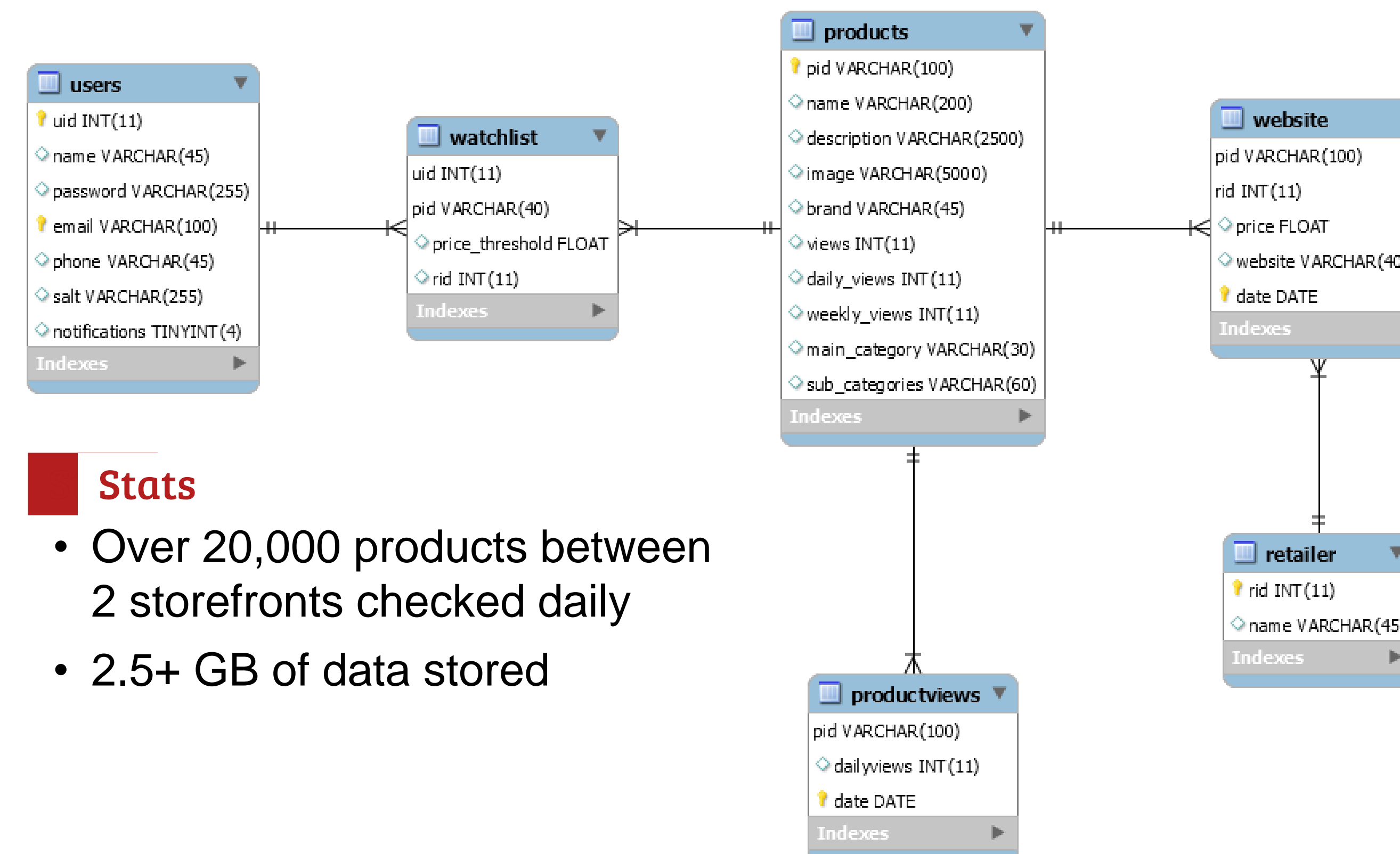
Architecture and Utilized Technologies



Example

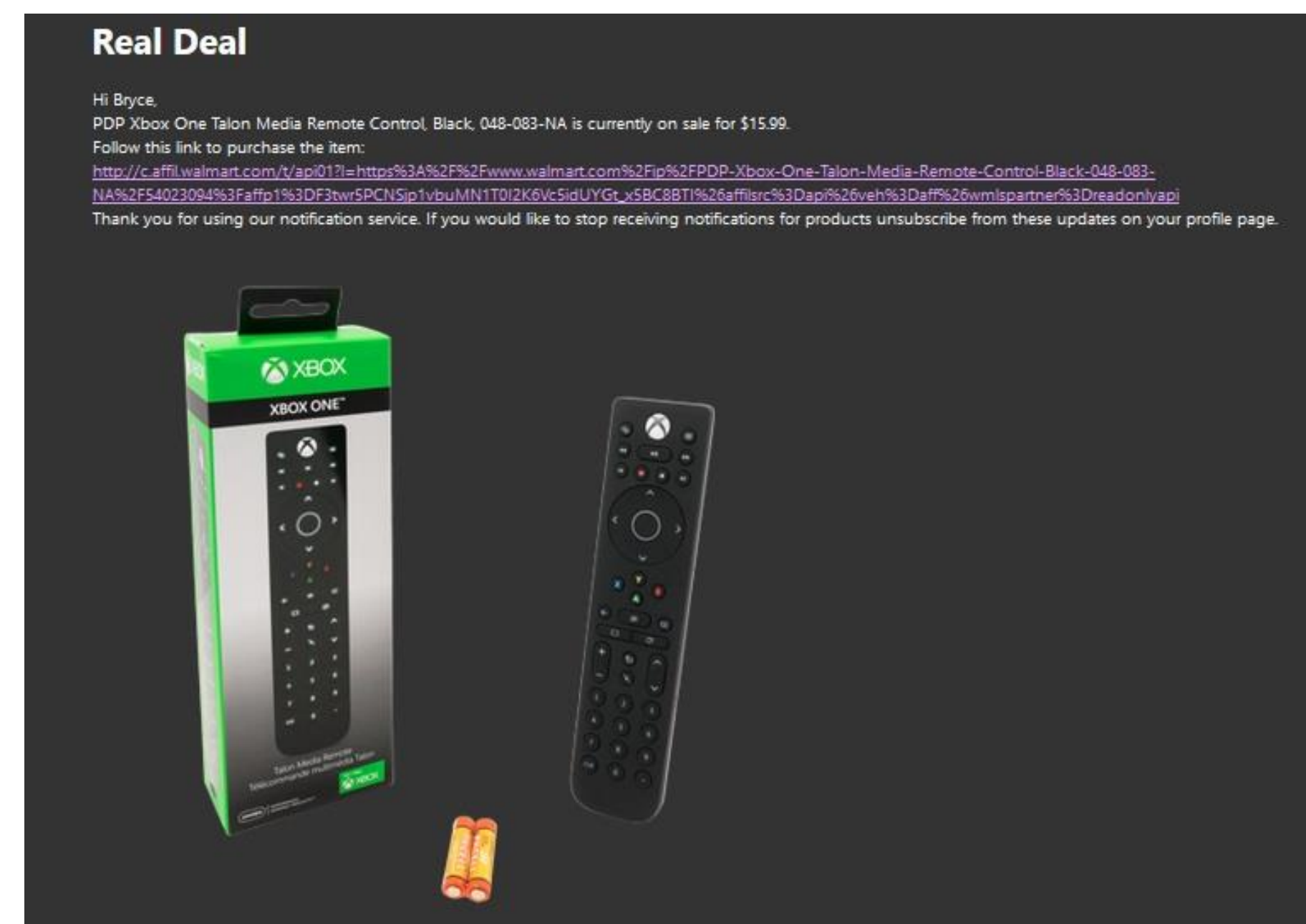


Database Design



Stats

- Over 20,000 products between 2 storefronts checked daily
- 2.5+ GB of data stored



Step 3: Receive email notification