

# QUICKIFY

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## Overview

Quickify is a dynamic web application that provides users with a seamless experience to search for products, track prices, and receive notifications on price drops. The application aggregates product information from various E-Commerce sites such as Amazon, Flipkart, and Myntra.

## Features

### 1) Product Search:

- **Description:** Users can search for products, and Quickify will list similar products across different E-Commerce sites.
- **Implementation:** When the user suggests the object they need, Quickify provides relevant suggestions. This is achieved through debouncing applied to the search bar. Additionally, even if the user misspells a word while searching, Quickify intelligently offers relevant suggestions based on the entered text.
- **Advantage:** Quickify's intelligent search feature, powered by debouncing, ensures quick and accurate suggestions for users. Whether they type correctly or make a typo, Quickify adapts, providing a seamless and user-friendly search experience across various E-Commerce sites.

### 2) Pin Products:

- **Description:** Users have the provision to pin products to track their prices.
- **Advantage:** Quickify empowers users to track price changes for pinned products, ensuring they stay informed about the products they are interested in.

### 3) Notification System:

- **Description:** Quickify features a notification system that alerts users when prices drop or reach the desired value.
- **Implementation:** Quickify's notification system employs a specialized library to notify users via email about price changes for their selected products. Users stay informed on current and past pricing. If a product's price falls below the user-set threshold (configurable in the backend), an email is triggered to notify the user promptly.
- **Advantage:** Users can effortlessly set up and manage price drop notifications, allowing them to make informed purchase decisions and seize the best deals.

#### 4) Login and Sign Up:

- Description: Users can create accounts and log in to access personalized features. The login feature includes a unique animation.
- Animation:
  - While typing the email ID, the monkey will see normally.
  - While typing the password, the monkey will close its eyes.
- Advantage: Quickify enhances user engagement with a unique and entertaining login animation, providing a delightful experience during the login process.

#### 5) Auto-Suggestions:

- Description: While searching for products, users receive suggestions based on the entered letters.
- Advantage: Quickify's auto-suggestion feature streamlines the search process, saving users time and helping them discover products more efficiently.

#### 6) Multi-Source Product Information:

- Description: For each product, prices and features from E-Commerce websites like Amazon, Flipkart, and Myntra are displayed.
- Advantage: Users can conveniently view and compare product details from various E-Commerce sites on a single platform, facilitating informed decision-making.

#### 7) Wishlist:

- Description: Users can add products to their wishlist from any of the supported E-Commerce websites.
- Advantage: Quickify's wishlist feature allows users to curate and manage a personalized list of desired products, making their shopping experience more organized and enjoyable.

### Technologies Used

Frontend	Backend	Database
ReactJs Material UI	Mongoose Bicript Node Js Express Fuse Corse Firebase Node Miller JSON wrap token	MongoDB

## Installation

1. Clone the Repository:

```
git clone [repository_url]
```

2. Install Dependencies for the Client :

```
cd client  
npm install
```

3. Install Dependencies for the Server:

```
cd server  
npm install
```

4. Run the Server:

```
nodemon app.js
```

Make sure you have nodemon installed globally. If not, you can install it using:

```
npm install -g nodemon
```

5. Run the client :

```
cd client  
npm start
```

## Usage

### Product Search

1. Navigate to the Quickify homepage.
2. In the search bar, start typing the product name.
3. Quickify will provide auto-suggestions based on the entered letters.
4. Select the desired product from the suggestions, and Quickify will list similar products across various E-Commerce sites.

### Pin Products

1. After searching for a product, click on the product card.
2. In the product details page, find the "Pin" button.
3. Click on "Pin" to add the product to your pinned list for price tracking.

## **Notification System**

1. In the user dashboard, navigate to the "Notifications" section.
2. Set your desired price drop threshold for the pinned products.
3. Quickify will notify you when the prices drop below or reach the specified value.

## **Login and Sign Up**

1. Click on the "Login" button on the Quickify homepage.
2. Enter your email ID. The monkey will see normally during this step.
3. Enter your password. Notice the unique animation where the monkey closes its eyes.
4. Click "Submit" to log in.

## **Auto-Suggestions**

1. Start typing the product name in the search bar.
2. Quickify will provide auto-suggestions based on the entered letters.
3. Select the desired product from the suggestions to streamline your search.

## **Multi-Source Product Information**

1. After searching for a product, click on the product card.
2. Quickify will display prices and features from various E-Commerce websites like Amazon, Flipkart, and Myntra.
3. Compare the information to make an informed decision.

## **Wishlist**

1. While browsing product details, find the "Add to Wishlist" button.
2. Click on the button to add the product to your wishlist.
3. Manage your wishlist in the user dashboard.

## **Challenges Faced**

During the development of Quickify, our team faced challenges such as integrating multiple E-Commerce APIs for real-time product information, implementing the unique login animation, and ensuring seamless notifications. We overcame these challenges through collaborative problem-solving sessions, utilizing online resources, and leveraging the expertise within our team.

## **Future Improvements**

1. Implement a user feedback system to enhance user experience.
2. Integrate additional E-Commerce sites for a more comprehensive product database.
3. Expand the notification system to include more personalized alerts.
4. Enhance the auto-suggestion algorithm for improved search accuracy.
5. Explore mobile app development for Quickify.

## **Conclusion**

Participating in the hackathon to develop Quickify was a challenging yet rewarding experience. Our team collaborated effectively, utilizing each member's strengths to deliver a feature-rich web application. Quickify provides users with a unique and efficient way to search for products, track prices, and stay informed about the latest deals across various platforms. We are proud of our accomplishments during the hackathon.

## **Acknowledgments**

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