

Project Proposal: Recalls

## **Tech Stack:**

**Frontend: web:** React

**Backend:** [Node.js](https://nodejs.org/en/) with Express for handling API Request, server-logic and integration DB.

**DataBase:** MongoDB

Hosting: I've not explored options.

## **Focus of the Project**

The goal is to create a seamless user experience across web platforms, ensuring that users can easily and intuitively access recalls of three categories: food, vehicles, and electronics.

**Project Type:** Website: A web application accessible through modern browsers.

## **Project Goal**

This facilitates user consult recalls in just website of different categories .

## **User Demographic**

The primary users of the app will be:

- The user is interested in getting recall information about recalls in three categories.

## **Data and API**

- Database: Minimal collections for consults.
- API: The API cpsc.gov will provide endpoint to consult recalls by ProductType category , Date Start and End of recall, Product Name, and Manufacturer.

## **Project Approach**

1. Database Schema
  - Content: collections of manufacturers and categories.
2. Potential API Issues
  - Data Consistency: Ensuring content is consistently delivered
  - Scalability: Handling increasing amounts of data and user requests efficiently
  - Error Handling: Managing and reporting API errors to ensure a smooth user experience.
3. Sensitive Information
  - No sensitive or personal data will be collected or handled.
4. Functionalities:

Consult recalls from a "Search Bar" basic filters - Chose one category (Mandatory),  
Optionals: Date Start Recall, Date End Recall, Product Name, Manufacturer.

Show Recall info . Products, image, hazard , remedies,

5. User Flow ○ Homepage: Show list of recent recalls, Filter Select parameter to filter consult. show results.

6. Documentacion API to consume. [https://www.cpsc.gov/s3fs-public/RecallRetrievalWebServicesProgrammersGuide20171031.pdf?n\\_FtdOGyf5GGSKF5qhIMnlCuJTFaKNS7](https://www.cpsc.gov/s3fs-public/RecallRetrievalWebServicesProgrammersGuide20171031.pdf?n_FtdOGyf5GGSKF5qhIMnlCuJTFaKNS7)

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