

# Suggest a laptop

## Recommend a laptop for users based on their needs and budget.

---

### Project description

Are you the computer guy/gal of the family? Are you approached every time they need a new laptop? Me too, and that's why I want to make a website that suggests the laptop for me!

My vision is a system that collects retail data on laptops including hardware specs, operating systems, price, and possibly user/professional reviews to suggest a laptop within a user's budget, prioritizing their needs. The user will input their budget and what they plan to use the laptop for, rating important features on a scale of 1-10. Our system will calculate which laptop is the best fit for their needs within their budget.

### Team

I'm looking for at least 2 others to join the team. I anticipate that this project can scale to fit our workload budget, seeing that we can arbitrarily add adapters for retail websites after we get the backend working. I'm especially looking for someone who has experience with API's or webscraping to collect the retail data.

### SQL

I'm open to suggestions. There are a lot of good choices out there.

### NoSQL

I'm pretty familiar with MongoDB + Mongoose, which will more than suit our needs. I figure this would work well with a NodeJS backend, but I'm really open to learning new tools.

### Business

Phase 1: Free and open source.

Phase 2: Implement advertisements

Phase 3: Incorporate sponsors/discount deals on our suggested laptops without compromising honest opinion

## **Legal**

As long as our information is accurate and valid, there should be no legal issues. After incorporating sponsors (and possibly ads) however, we would have to make sure we hold up our end of the bargain.

## **Technical**

User input form to gather parameters on budget, needs, and priorities.

Scrape laptop information from retail websites (hardware, price, reviews, etc)

Choose SQL initial database for prototype, then transition to NoSQL.

Choose front-end/back-end programming language.

Create MVP and improve throughout the project.