# Capstone 2 Proposal: Little Shop Of Horrors

**1. What tech stack will you use for your final project?**

React and Node.js

**2. Is the front-end UI or the back-end going to be the focus of your project? Or are you going to make an evenly focused full-stack application?**

I plan to focus on both evenly. Backend is going to be that of a standard web shop. I would like to make the frontend responsive and incorporate some basic animations.

**3. Will this be a website? A mobile app? Something else?**

It is going to be a website for online commerce.

**4. What goal will your project be designed to achieve?**

Good UX for both sellers and buyers.

**5. What kind of users will visit your app?**

People who are looking for holiday celebration decorations, gifts and cards.

**6. What data do you plan on using? How are you planning on collecting your data?**

Initially I would use mock data for seeding the database.

Later on I'm planning to use data about goods from different online shops. If it turns out to slow down the app, I would use just two - Etsy and Amazon.

The initial request to the shop's API is going to be based on the season or the nearest U.S. holiday. I will need a name, price, image and maybe a rating.

I plan to use Stripe for the payments. (Or Paypal.)

I may have to use an external API for estimated delivery times and order tracking (USPS).

I will use Two.js - two dimensional drawing api for animations.

**7. In brief, outline your approach to creating your project (knowing that you may not**

**know everything in advance and that these details might change later).**

a. What does your database schema look like?

users:

user id

username

hashed password

first name

last name

email

status: seller or buyer

street address

city

state

zip code

orders:

item\_id

user\_id

date

status

tracking number

items to sell:

name

price

image url

rating

description

store id

quantity

stores:

name

cover photo url

shop holder user id

b. What kinds of issues might you run into with your API?

Complicated requirements for payment integration. Complicated testing.

c. Is there any sensitive information you need to secure?

Passwords, emails, names and addresses of users.

d. What functionality will your app include?

Browsing items;

suggestions based on the season/nearest holiday

searching items

adding/removing items to cart;

ordering an item;

registering a store;

adding items to sell;

messaging with buyers/sellers;

e. What will the user flow look like?

Unregistered users would go to the homepage, search for the items, access the item details page, see suggested items, put/remove items in the cart.

Registered users can do all of the above and check out items; write a message to the seller, add an item to the favorites. Receive an email after placing an order.

Registered users can create a shop. Add inventory. Get an overview of all the items sold. Send and receive messages. Receive an email when an item is ordered.

f. What features make your site more than a CRUD app? What are your

stretch goals?

It's an e-commerce platform with a stretch goal to effectively connect buyers and sellers, and facilitate transactions.