Project Report Template

Student Name(s) and ID: Taylor Anderson , ZA66931

Project Name: Shopping website

Goal: Software and Technologies used:

Goal -
To build a web application that simulated online shopping by:

Setting up a REST API backend server using Express and Node.js on my local machine that implement Create Replace Update and Delete capabilities on a MySQL database.

Create a front end web application created with Angular 8 to utilize this backend server.

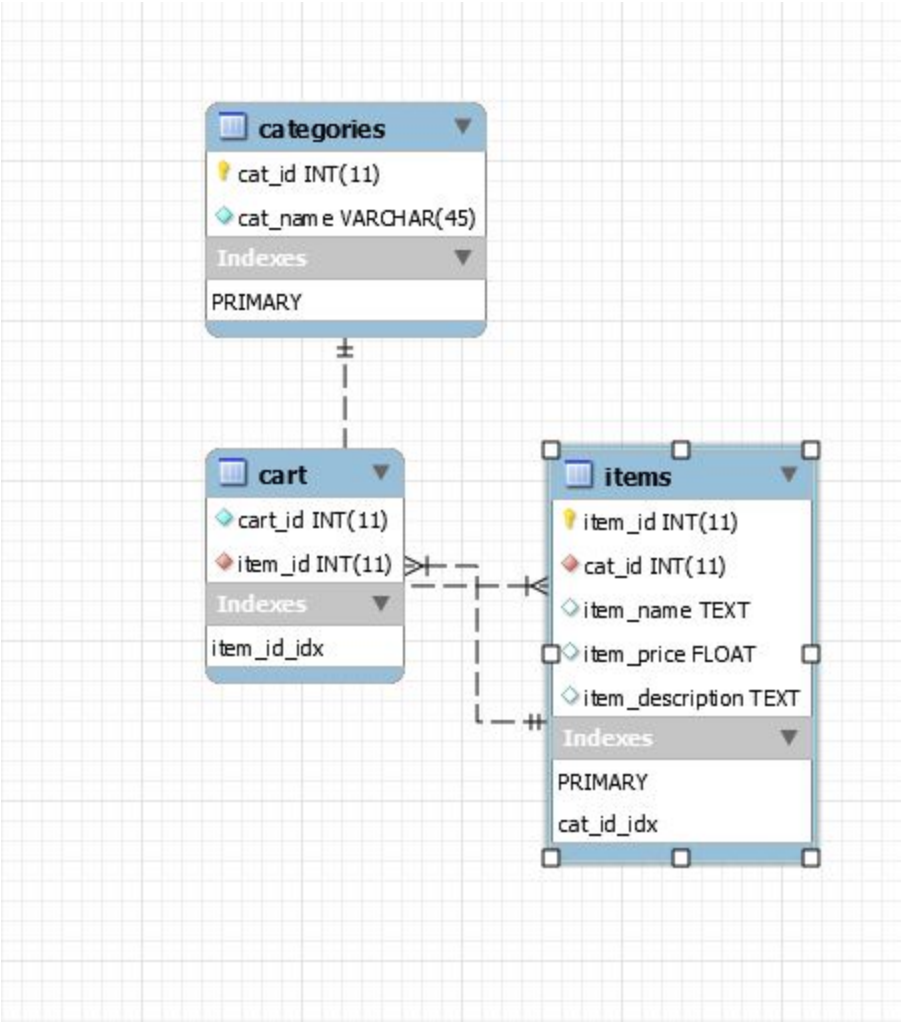
The application consists of a login page, a dashboard page, a categories page, and an items page.

Software - Angular 8, node.js, express, MySQL

Node.js to implement Create, replace, update, detele

Made to work from my windows machine

Design and ER Diagram (Data Model): ** generate ER diagram using a tool, don’t draw manually!



Features:

Sample use case 1: (example walkthrough and explanation)

User creates account

Use account information to log in.

Go to categories page and select a category

Categories page options are populated from the categories Table on the MySQL server.

Move on to items page

Items page uses your selection to query the items table for all the items of that category. And present them for selection on this page.

Select an item, to view its information/description

That's as far as I got.

Challenges Faced: Not knowing anything about web development before starting this.

Could not get connection to backend from the angular application, but the backend server does work and hosts

Demonstration commands -

http://localhost:8080/

Display categories
http://localhost:8080/categories

Display items for category 3
http://localhost:8080/items/3

Display cart
http://localhost:8080/cart

Future Improvements or TODOs: Conclusion:

Category-list.component.ts
getAllCategoriesTable()

Figure out how to get observable object into the string array catagoryList