

CPS 630

Online Shopping Platform

CPS 630 - W2025

Toronto Metropolitan University

Team #4

Thanujann Dayaparan (501100701)
Rock Dong (501034760)
Arad Delaramnikoo (501041363)

Team Member	Task name and percentage of contribution for the whole project out of 100%
Thanujann	Frontend Design, Sign In/Up functionality, Shopping drag and drop (33%)
Rock	All database related components, diagrams (33%)
Arad	Delivery and payment functions (33%)

Project Objective:

The objective of the project is to create a dynamic, interactive online shopping system. The user will be able to navigate through our website, which offers multiple services. These include viewing, purchasing, and receiving a product through our shipping system. Some functionalities of the website include:

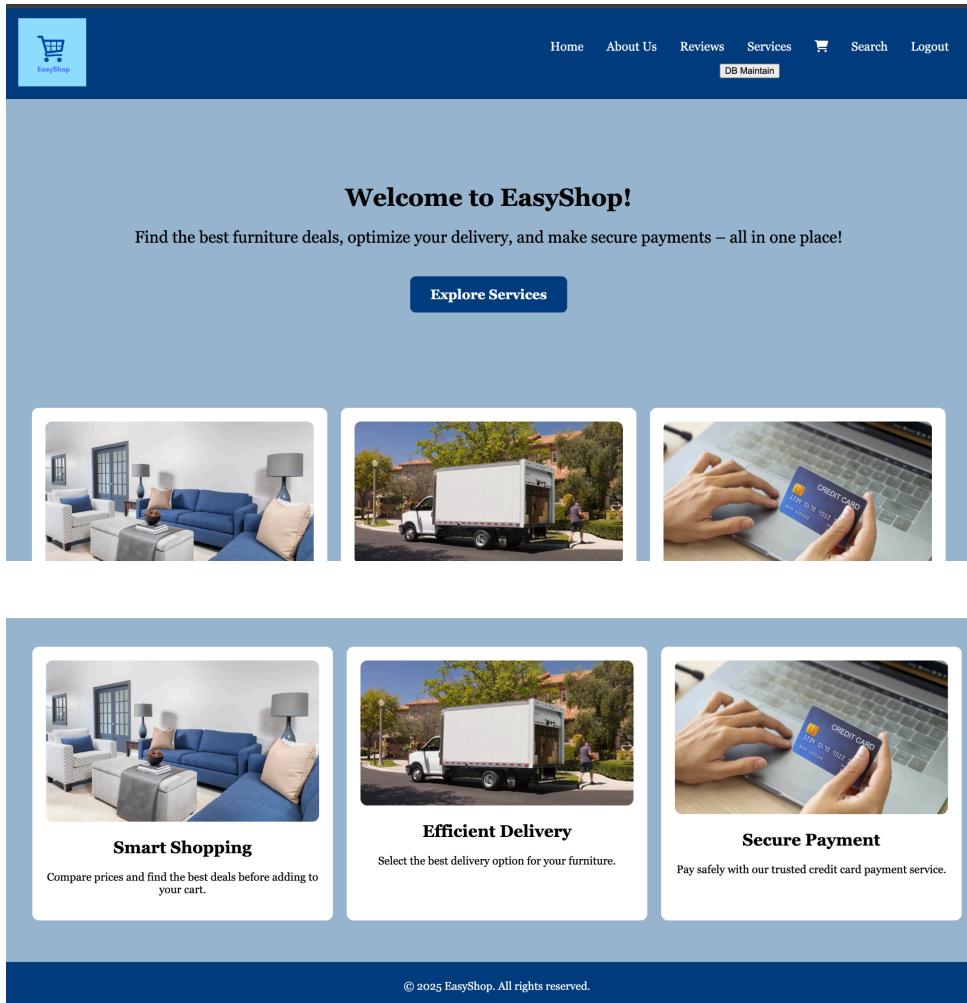
- A login system, where the user can save their information in a profile
- A drag-and-drop cart system
- A delivery system where user can select their location for delivery
- An online payment system
- A functional relational database

Languages, tools, and technologies we used:

We used several languages for this project. For front-end services, we used HTML, CSS, and JavaScript, along with some jQuery and Ajax. For the backend, we used php to handle the server-side logic and mySQL database. For hosting, we used XAMPP. The system is developed using MVC architecture.

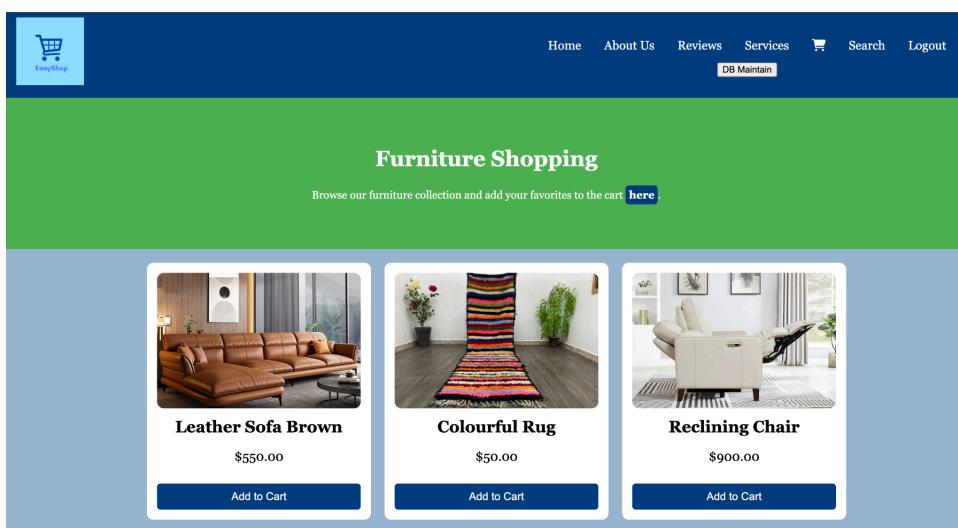
UIs for the OSP (screenshots):

Home Page:



The screenshot shows the homepage of the EasyShop website. At the top, there is a dark blue header bar with the EasyShop logo (a shopping cart icon) on the left and navigation links for Home, About Us, Reviews, Services, a shopping cart icon, Search, Logout, and DB Maintain on the right. Below the header, a large blue banner features the text "Welcome to EasyShop!" and "Find the best furniture deals, optimize your delivery, and make secure payments – all in one place!". A prominent "Explore Services" button is centered below the banner. The main content area contains three square images: a blue sofa in a living room, a white delivery truck, and a hand holding a credit card over a laptop keyboard. Below these images, there are three sections with titles and descriptions: "Smart Shopping" (Compare prices and find the best deals before adding to your cart.), "Efficient Delivery" (Select the best delivery option for your furniture.), and "Secure Payment" (Pay safely with our trusted credit card payment service.). The footer of the page includes a copyright notice: "© 2025 EasyShop. All rights reserved."

Shopping Page with available products:



The screenshot shows the Furniture Shopping page. The top section has a green header with the title "Furniture Shopping" and a sub-instruction: "Browse our furniture collection and add your favorites to the cart [here](#)". Below this, there are three product cards displayed in a grid: "Leather Sofa Brown" (image of a brown leather sofa, \$550.00, "Add to Cart" button), "Colourful Rug" (image of a colorful striped rug, \$50.00, "Add to Cart" button), and "Reclining Chair" (image of a white reclining chair, \$900.00, "Add to Cart" button). The page uses a light blue background color.



Branch Standing Desk

\$200.00

Add to Cart



SMUG Standing Desk

\$600.00

Add to Cart



Wooden Frame Bed

\$3000.00

Add to Cart

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Sign In page:

Sign In

Username:

Password:

Sign In

Don't have an account? [Sign Up](#)

Sign Up Page:

Sign Up

Full Name

Email

Phone Number

Mailing Address

Postal Code

Login ID

Password

Confirm Password

Sign Up

Have an account? [Sign In](#)

Services Page showing all the available services:



Home About Us Sign Up **Sign In** Reviews Services  Search

DB Maintain

Our Services

Explore our three main services: Shopping, Delivery, and Payment.

Shopping
Browse and find the best furniture deals before adding to your cart.
[Go to Shopping](#)

Delivery
Choose the best delivery option to receive your furniture safely.
[Go to Delivery](#)

Payment
Make secure payments with our trusted transaction system.
[Go to Payment](#)

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User's cart before checkout:

The screenshot shows a shopping cart page with a dark blue header containing a logo, navigation links (Home, About Us, Reviews, Services, Search, Logout), and a "DB Maintain" button. The main content area is titled "Your Cart" and includes a sub-instruction "Review your selected items before checkout." It displays two items: a "Leather Sofa Brown" and a "Reclining Chair", each with its price (\$550.00 and \$900.00 respectively) and quantity (1). Each item has a "Remove" button. Below the items, the total price is listed as "Total: \$1450.00". A green "Proceed to Checkout" button is centered at the bottom.

dbMaintain Insert page:

*Update, select, delete have similar appearance

The screenshot shows the "Insert Data into Table" page of dbMaintain. It features three input fields with rounded corners, each containing placeholder text: "Enter the table you want to insert into", "Enter the columns you want to insert (separated by commas)", and "Enter the values you want to insert (separated by commas)". Below these fields is a large blue "Insert" button.

dbMaintain Search page:

Search Orders

Enter a user ID, leave blank for none

Enter an order ID, leave blank for none

Search

Delivery page:

Select Delivery Options

Select Warehouse (Source):
Scarborough Warehouse

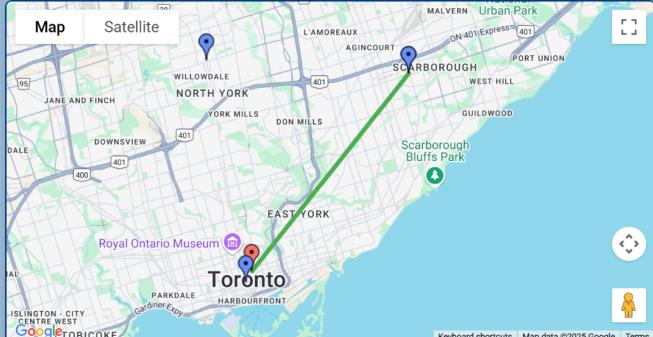
Delivery Address (Destination):
toronto metropolitan university

Delivery Date:
2025 - 03 - 05

Delivery Time:
12:00 PM

Calculate Delivery Route

Delivery Service

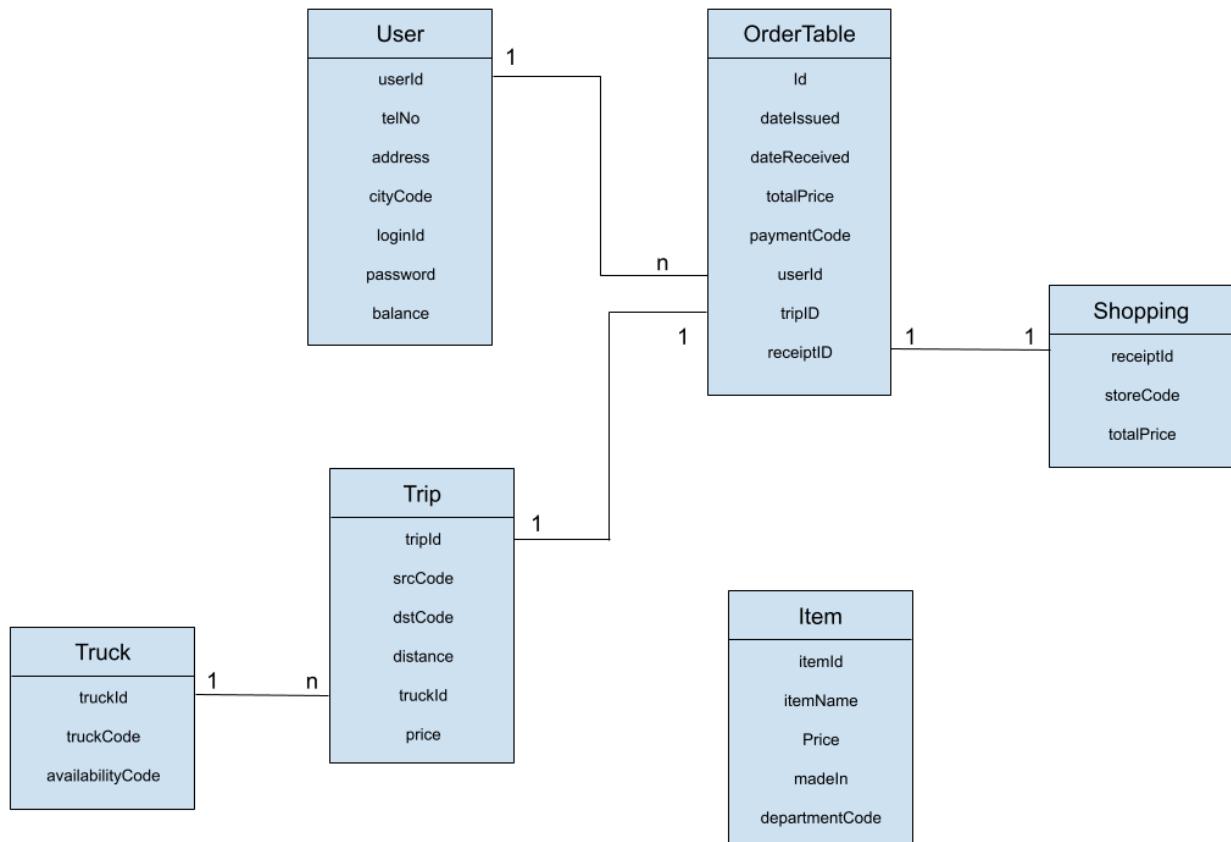
A map of the Greater Toronto Area showing the delivery route. A green line connects two points: one near the Scarborough Bluffs Park area and another near the Royal Ontario Museum in downtown Toronto. The map includes labels for various neighborhoods like North York, Don Mills, and East York, along with major roads like Highway 401 and Jane and Finch Avenue.

Back to Cart

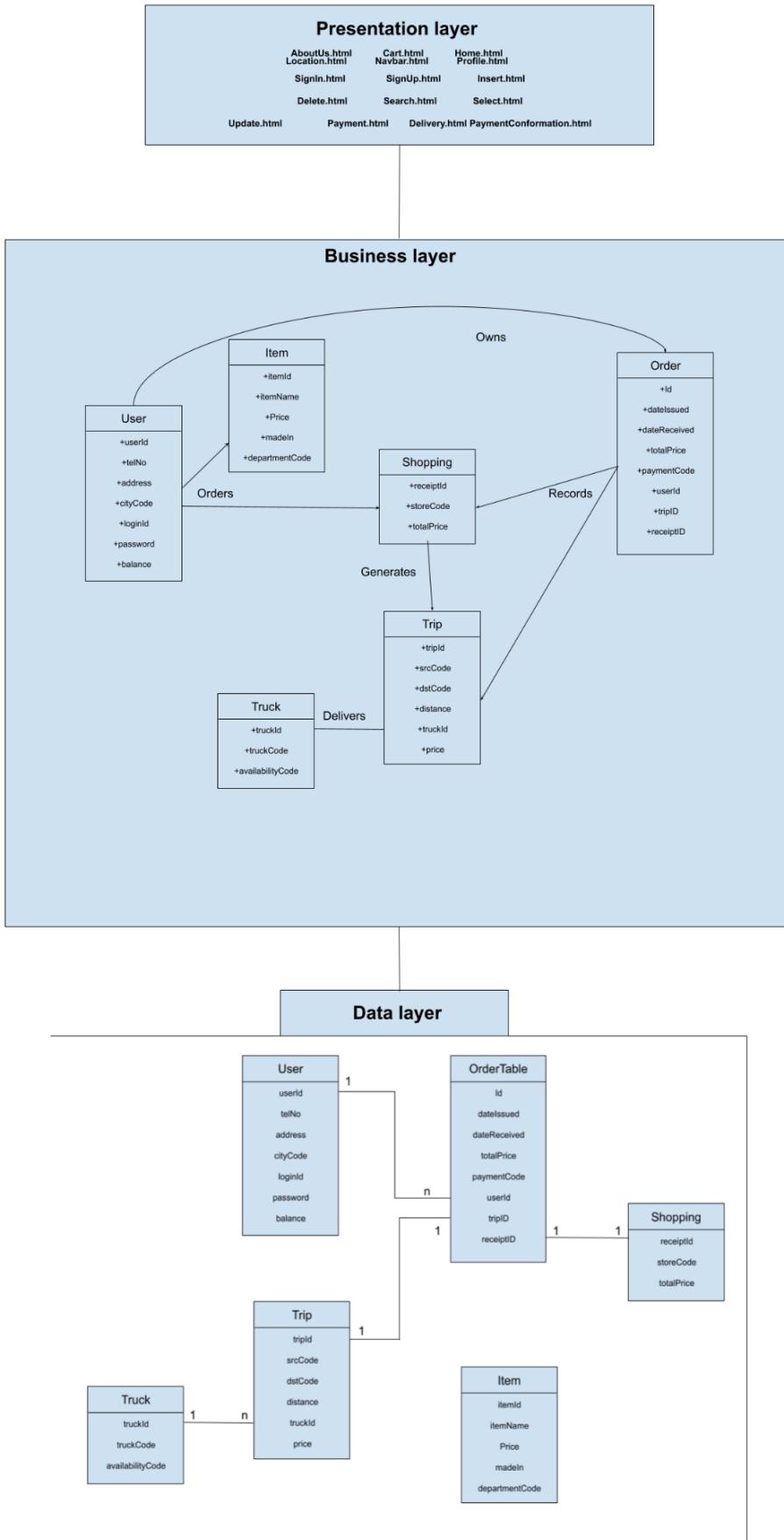
Save Delivery Details

Proceed to Payment

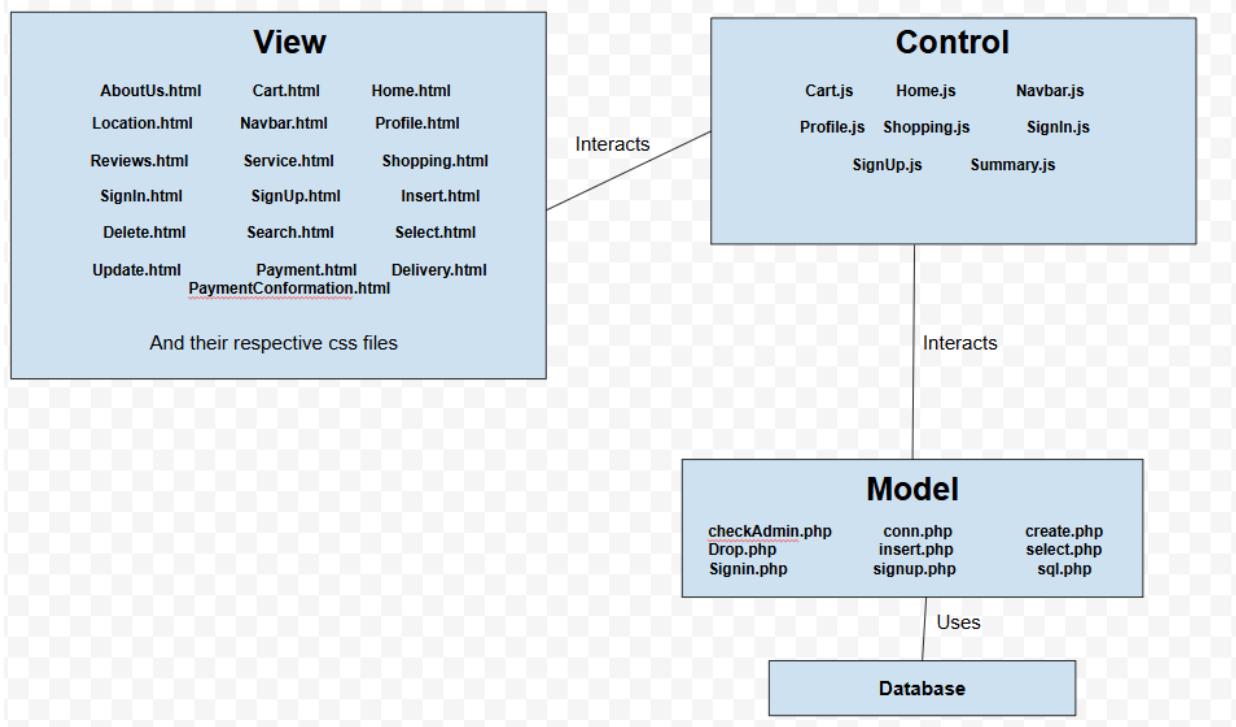
Database schema:



3 layer architecture:



MVC:



Class diagram:

Class diagram

