

Vanier College  
Computer Science Technology Program

Pyrotechnics Store  
Website  
**User Guide**

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420-311-VA: Internet Programming (Sec-01)  
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## Introduction:

We envision a website that provides all your pyrotechnic needs! We will offer products such as fireworks, pyrotechnic equipment, smoke grenades, firecrackers, and automotive airbags etc. The website will let users browse, explore, and add products to their shopping cart.

## Interactive Features:

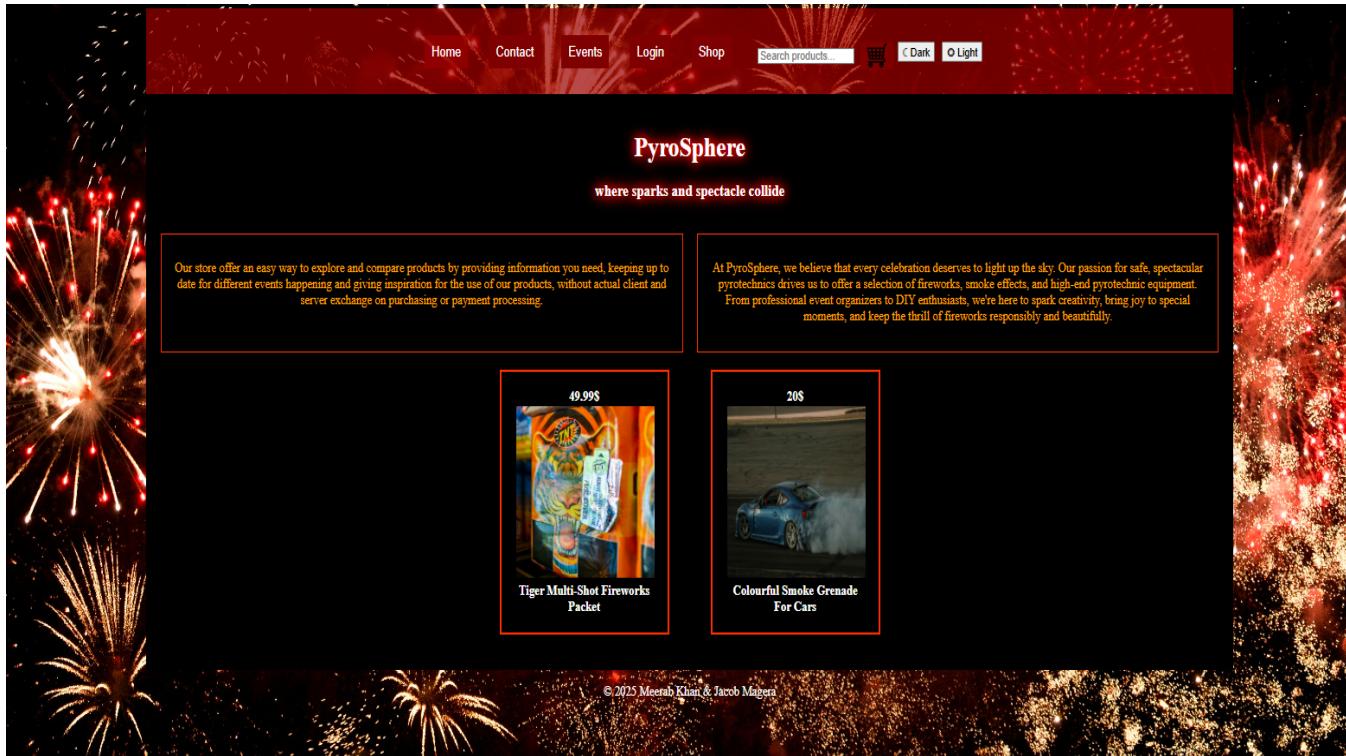
- -Easily navigate pages with a simple navigation menu with broad categories (Home, Shop, Events, About us, Contact).
- -An interactive shopping cart with updates such as adding and removing products and tickets.
- -Search bar to sort or filter items in different categories.
- -Secure account creation for users to login.
- - Remote data rendering for products available and user reviews. -A design that is adaptive on mobiles, desktops and different devices.
- -The store targets a market specialized uniquely in pyrotechnic products, making it unique by serving specific requirements.
- -Users can browse products with descriptions and special offers for buying fireworks and getting tickets for an event.

## Target audience:

Our target audience are event organizers, fireworks enthusiasts that are interested in shopping for different events like celebrations, festivals, and shows, automotive specialists and technicians, as well as for at-home pyromaniacs. The goal is to make an easy way for customers to explore and compare products by providing information they need, keeping them up to date for different events happening and giving them inspiration for the use of our products, without actual client and server exchange on purchasing or payment processing.

# Home Page:

The home webpage includes an overview of the store and its mission. It displays different images of products in a dynamic carousel. It serves as a menu for navigation to different sections and links.



## Contact Us Page:

To contact and submit inquiry forms or user questions, the contact us page serves best. It stores contact details (email, name).

Home Contact Events Login Shop

## Contact Form

Full Name Email Address

Choose Subject Dropdown

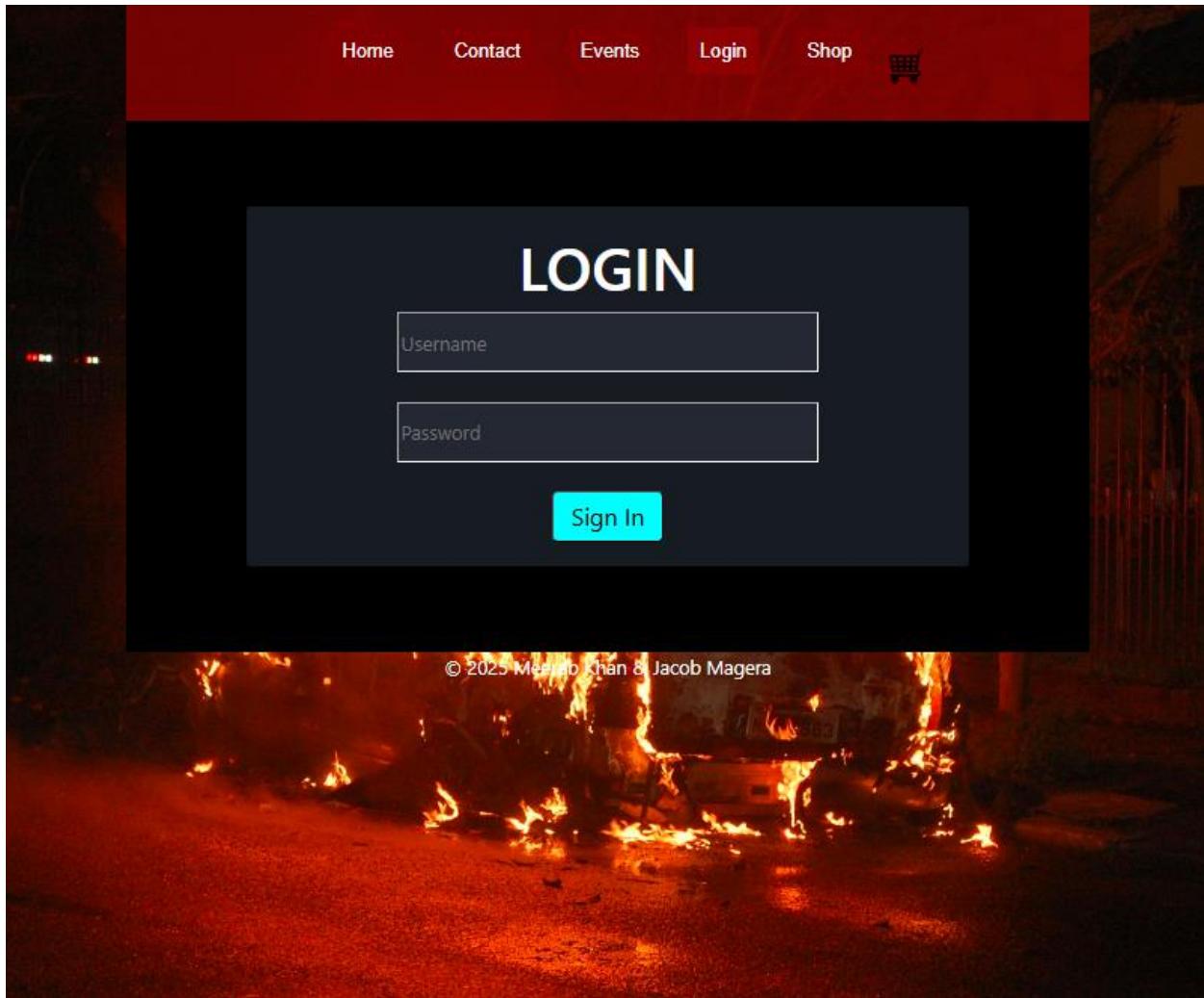
Your Message

Submit

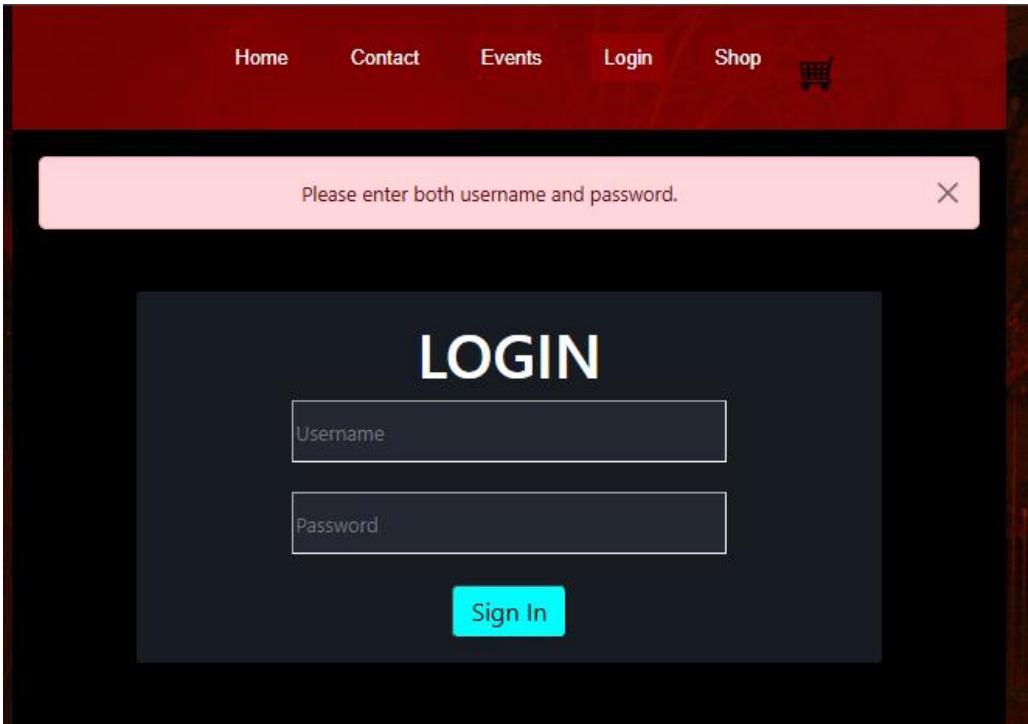
© 2025 Meerab Khan & Jacob Magera

## Login Form:

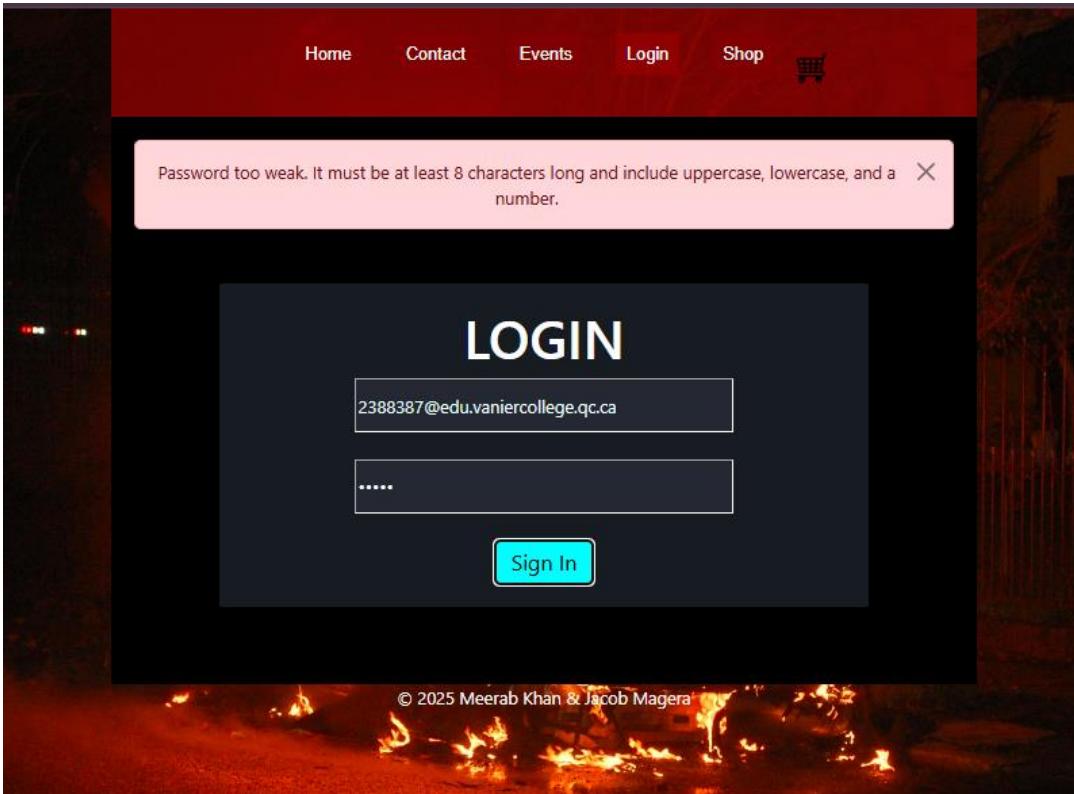
To login and access checkout form after clicking the button proceed to checkout in cart page or you can login before putting items to cart.



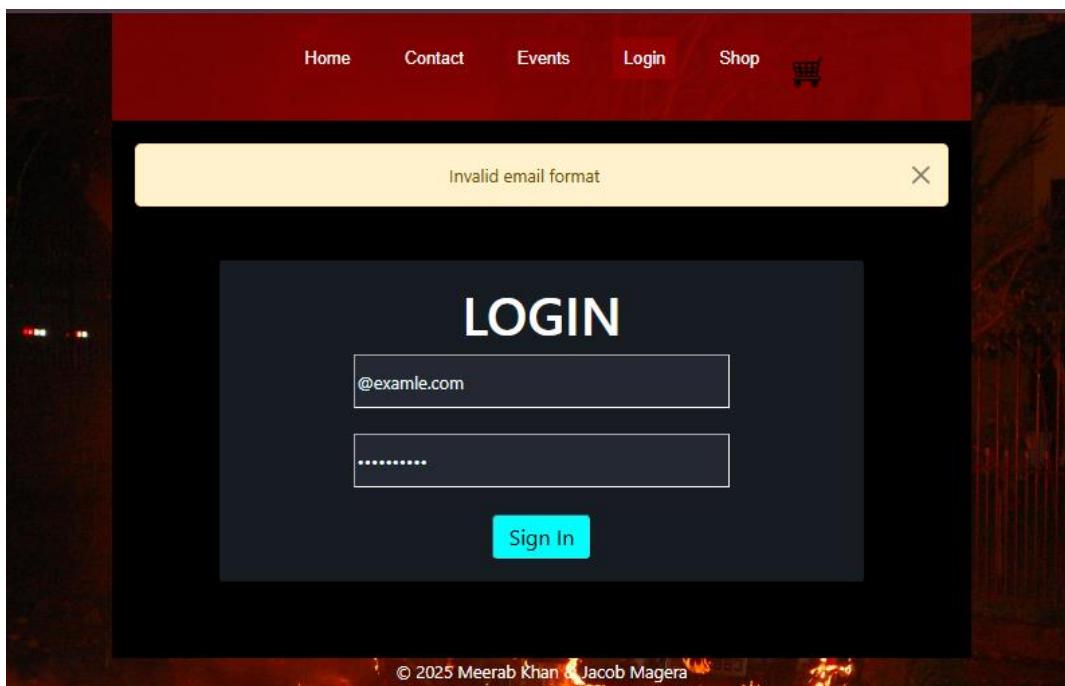
If a user tries to sign up by not entering the fields required:



If the password format doesn't match:



If the email is not well formatted:



# Shopping Cart Page:

Users can view their items added to the cart. They are updates on quantities and options to remove, add items in cart, and calculate total price. Since there isn't a client server side there is no actual payment. When the user logs in, he can view the cart again and proceed to check out

The screenshot shows a shopping cart page with a dark background featuring a fireworks display. At the top is a red navigation bar with links for Home, Contact, Events, Login, Shop, and a shopping cart icon. Below the navigation bar, the title "SHOPPING CART" is centered. The main content area displays a single item in a table format:

	PRICE	QTY	TOTAL
	49.99	2	\$99.98

Below the table is a yellow "Remove" button. At the bottom left, a box titled "ORDER SUMMARY" contains the following information:

**TOTAL:**  
\$99.98

[Apply Coupon](#)  
[Shipping Options](#)

**PROCEED TO CHECKOUT**

At the very bottom center, the copyright notice "© 2025 Meerab Khan & Jacob Magera" is displayed.

# Checkout Form

The checkout form validates user inputs before placing an order. The user fills in contact information, shipping details, and card information.

Home Contact Events Login Shop

## Checkout Form

Contact Information

Email Address

Shipping Details

Full Name

Choose Country

Address Line 1 Address Line 2

City Province Zip Code

Card Information

Name Of Cardholder

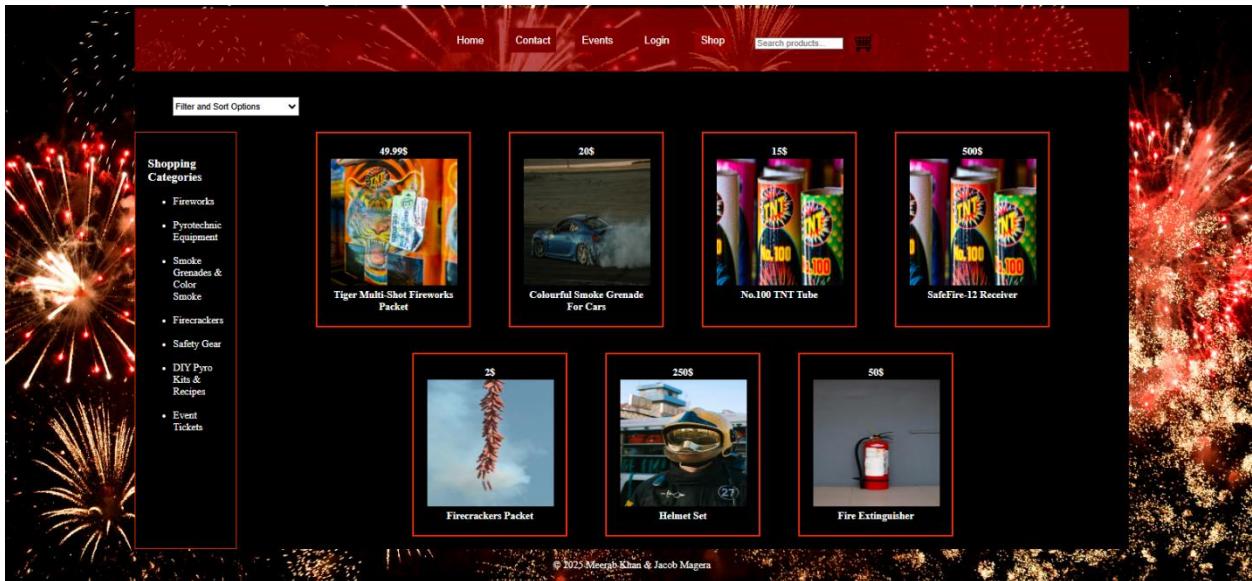
Credit Card Number

Expiry Date CVC

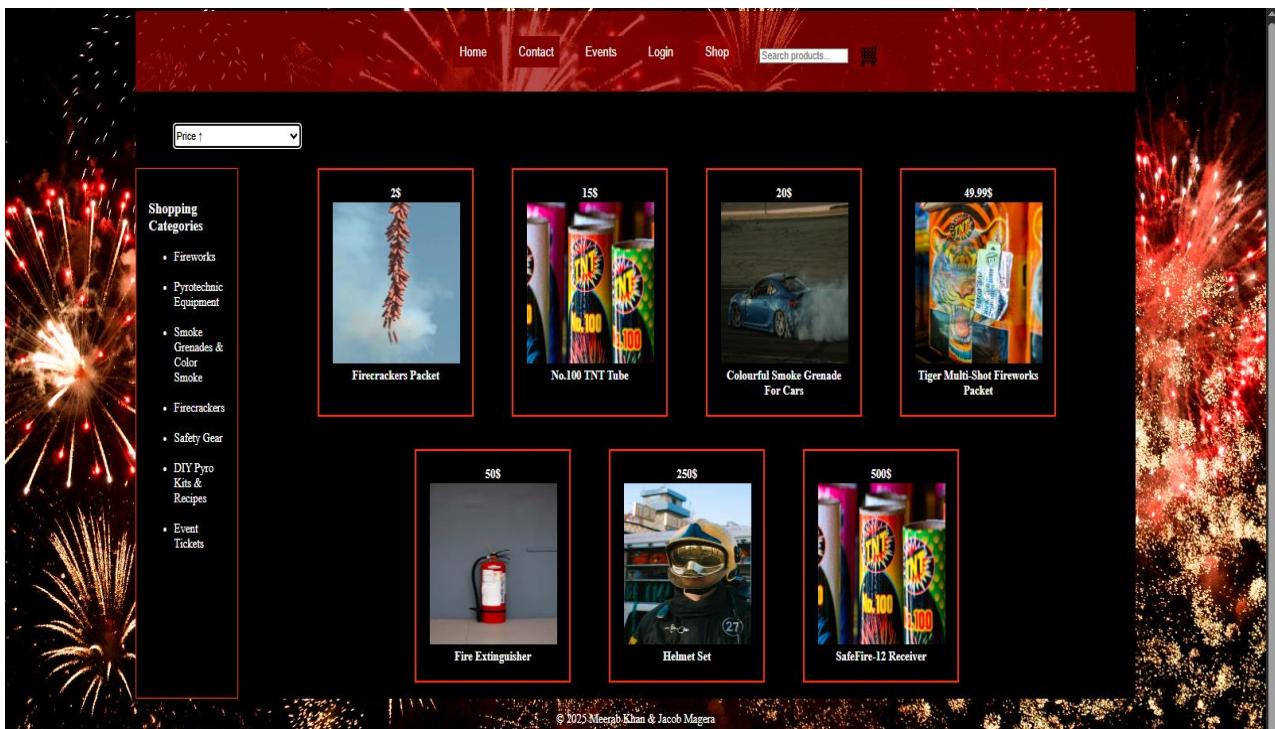
Place Order

# Product Listing Page

The product listing page is a catalog of products with images, prices, and short descriptions like titles. Filter and sorting options are present and based on different categories, price ranges, and availability.



When prices are low to high



When price is high to low:

The screenshot shows a shop page with a dark background featuring fireworks. At the top, there are navigation links: Home, Contact, Events, Login, Shop, and a search bar. A dropdown menu labeled "Price ↓" is open. On the left, a sidebar titled "Shopping Categories" lists items: Fireworks, Pyrotechnic Equipment, Smoke Grenades & Color Smoke, Firecrackers, Safety Gear, DIY Pyro Kits & Recipes, and Event Tickets. The main content area displays seven product cards with their prices and descriptions:

- SafeFire-12 Receiver: 500\$
- Helmet Set: 250\$
- Fire Extinguisher: 50\$
- Tiger Multi Shot Fireworks Packet: 49.99\$
- Colourful Smoke Grenade For Cars: 20\$
- No.100 TNT Tube: 15\$
- Firecrackers Packet: 2\$

When category is clicked like fireworks the shop page shows:

The screenshot shows a shop page with a dark background featuring fireworks. At the top, there are navigation links: Home, Contact, Events, Login, Shop, and a search bar. A dropdown menu labeled "Price ↓" is open. On the left, a sidebar titled "Shopping Categories" lists items: Fireworks, Pyrotechnic Equipment, Smoke Grenades & Color Smoke, Firecrackers, Safety Gear, DIY Pyro Kits & Recipes, and Event Tickets. The main content area displays two product cards with their prices and descriptions, both under the "Fireworks" category:

- Tiger Multi-Shot Fireworks Packet: 49.99\$
- No.100 TNT Tube: 15\$

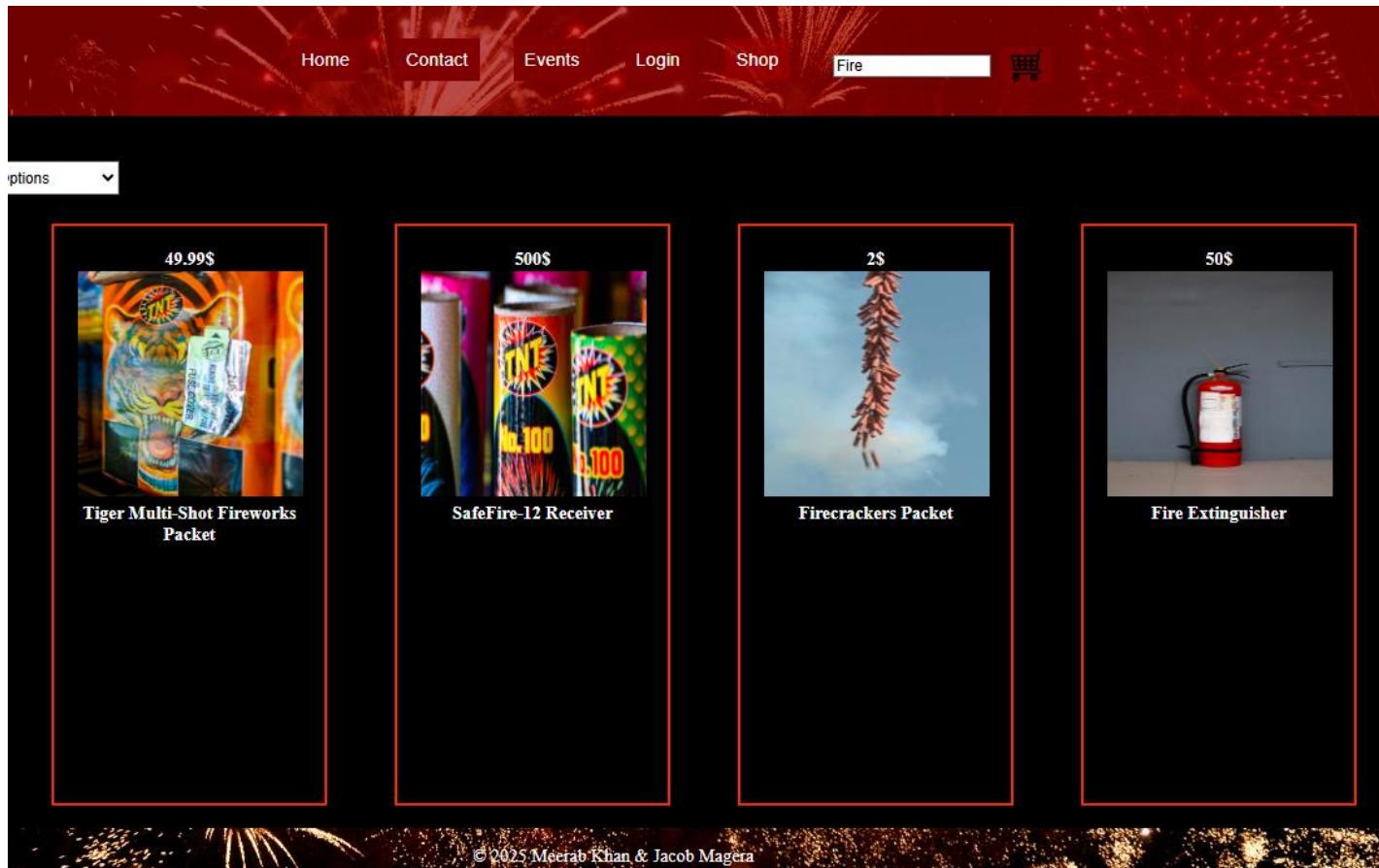
# Product Details Page

The product details page is linked with the product listing page, in which there are images, specifications, and pricing, and “Add to Cart” button with in-depth descriptions.

The screenshot shows a product details page for "No.100 TNT Tube" fireworks. At the top, there is a navigation bar with links for Home, Contact, Events, Login, Shop, and a shopping cart icon. Below the navigation bar, there is a large image of several fireworks tubes. To the right of the image, the product name "No.100 TNT Tube" is displayed in bold black text. Below the name, a yellow banner-like text reads "One of our highest flying fireworks". Further down, the price is listed as "Price: \$15" and "In Stock: 10". There is also a "Quantity: 1" field with plus and minus buttons, and a prominent yellow "ADD TO CART" button. At the bottom of the page, under the heading "Product Details", there are two entries: "Brand: TNT Fireworks" and "Make: TNT Fireworks". The footer of the page contains the copyright notice "© 2025 Meerab Khan & Jacob Magera".

## Search Feature

Search feature pages use a search bar letting users to look up products by name. There can be a loop through the products to get the closest match of the user's input. For example, if a user searches Fire near the cart button:



# Remote Data Rendering Page

The events page will act as a rendering page for fetching API of different events. The API we chose to use is for rocket launches for this project because it is closely related to launches that fireworks can do. After the user clicks on the show events button, the API appears in a table format.

The screenshot shows a website with a dark theme. On the left, there is a vertical banner of fireworks. At the top, a navigation bar includes links for Home, Contact, Events (which is highlighted in yellow), Login, and Shop. Below the navigation is a section titled "Event Details" with a "Show Events" button. A table lists three rocket launches:

Name	Mission Type	Rocket	Orbit	Status	Image
Sputnik 8K74PS   Sputnik 1	Test Flight	Sputnik 8K74PS	Low Earth Orbit	Launch Successful	
Sputnik 8K74PS   Sputnik 2	Test Flight	Sputnik 8K74PS	Low Earth Orbit	Launch Successful	
Vanguard   Vanguard	Test Flight	Vanguard	Low Earth Orbit	Launch Failure	

Below the table is a "Map" section showing a detailed map of the Montreal area with various locations labeled. To the left of the map is a sidebar with a dotted line containing a list of locations:

- Montreal Montgolfière
- Boutique Kody Rock
- Pyromax Pyrotechnique Inc
- BEM Fireworks
- Quebec Montgolfières Inc
- Croisières AML
- Croisières AML
- Fairmont Le Château Frontenac
- Museum of Civilization
- Residence of the Governor General at the Citadelle
- Hilton Quebec
- La Ronde
- GFA PYRO

The events page also includes a map and different locations of interest. After the user clicks on the title of the location like Boutique Kody Rock a marker appears with a tooltip above the location in map:

### Event Details

[Show Events](#)

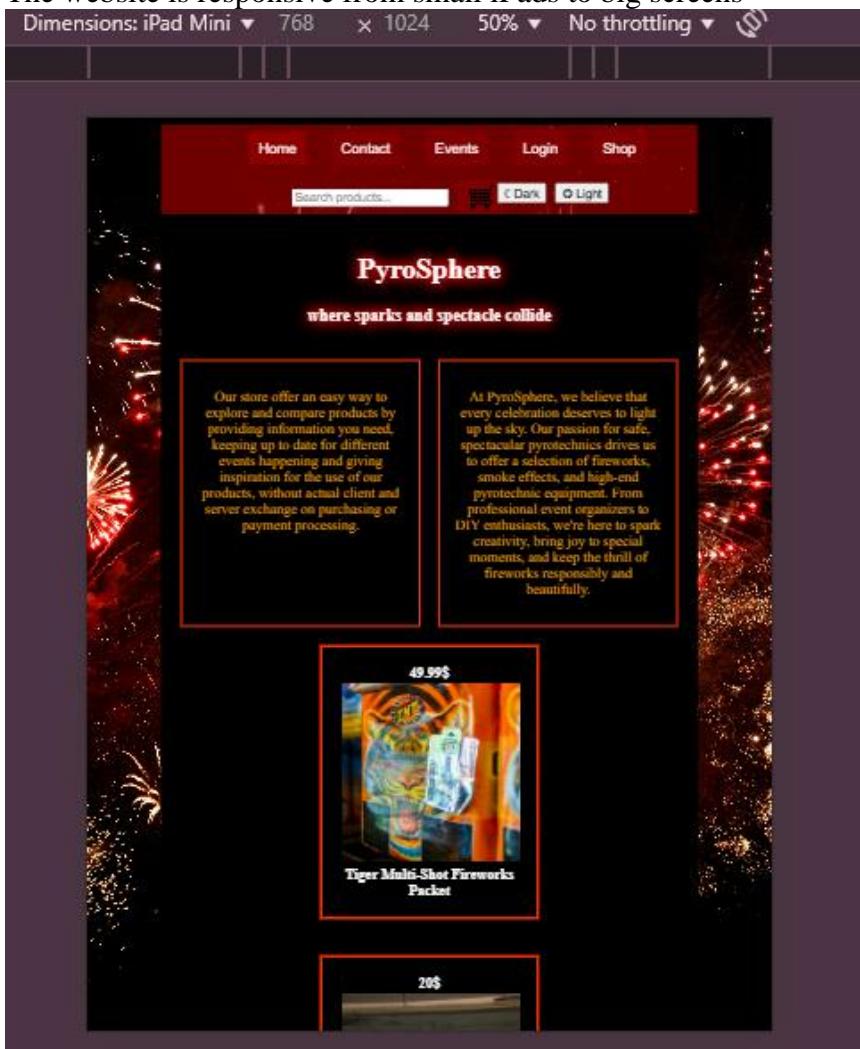
Name	Mission Type	Rocket	Orbit	Status	Image
Montréal Montgolfière					
Boutique Kody Rock					
Pyromax Pyrotechnique Inc					
BEM Fireworks					
Quebec Montgolfières Inc					
Croisières AML					
Croisières AML					
Fairmont Le Château Frontenac					
Museum of Civilization					
Residence of the Governor General at the Citadelle					
Hilton Quebec					
La Ronde					
GFA PYRO					
Royal Pyrotechnie Inc.					
Jojo's Pawn Shop					
La Magie de l'Air					

**Map**

Leaflet | © OpenStreetMap contributors

# Page responsive:

The website is responsive from small iPads to big screens



GitHub: <https://github.com/MEERABLK/pyrotechnics-store>