
Project Title: Youth Clothing

Team: 18

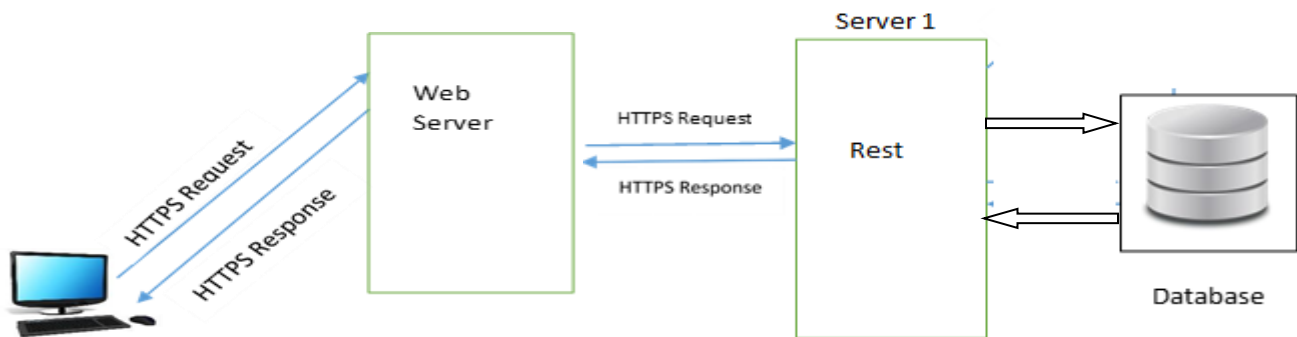
Website Name: *Youth Clothing Store*

GROUP MEMBERS:

- Manideep Reddy Mandadi (mrm190005)
- Ashwin Subramaniam (axs190172)
- Aman Raj Suman (ars200002)

PROJECT DESCRIPTION

The Youth Clothing (ARM clothes) is an e-commerce, scalable web-based application based on the python flask and SQL database. The website allows the user to register and shop from various products available, put the item in the cart, apply filters. There is a separate login for admin, which allows admin to list all items/add/delete/update/ items present on the website. Below is the architecture depicting the complete workflow of web-based application:



Technologies Used

- Front-End: Designed using HTML, CSS, JavaScript, and bootstrap components.
- Back- End: Python using Flask, JavaScript.
- Database: sqlite

Initially we planned on working with Java and JavaScript, but we explored more, and we decided to take up python using flask because of its powerful features, and we would get a chance to work and learn a new language. Also, there was a bit familiarity with python among the team members and the easy availability of required libraries for the integration features.

Flask is lighter and much more explicit than Django. So, if you're new to web development but not to Python, you will find it much easier to develop in Flask since it will feel much like you're working with vanilla Python to define request handlers and views and what not. Django has a lot of overhead.

Functionalities

1. New User Registration

A new user can register by clicking on the 'Sign Up' button on the homepage. The 'Sign Up' button is present in Navigation Bar. The user will be redirected to a new page where he/she can fill the required details: Email, Password, Name, Username, Country, Address, Zip Code, Contact and City. Once the user fills all the details and clicks the register button, he will receive a pop-up message 'Hey *username*. Welcome! Thank you for registering' and the user will be redirected to login page.

2. Existing user login and logout

An existing user can login using the login mail id and password he created while registering. If the password/email entered is wrong, it will throw an error message stating, "Incorrect email and password" and it will not allow the user to sign in. A successful login will redirect the user to welcome page.

3. Admin login

In the login page option, we have created a separate login for admin. The admin is responsible for adding/updating/deleting products/brand/category from the database. A separate login id has been created for admin. Users with their respective mail id will not be allowed to login in the admin site.

4. Navigation Bar

A navigation bar is present at the top of the homepage with 5 tabs, Products, Brand, Categories, Sign up, Login, Cart, Search. Here is detailed information of each tab:

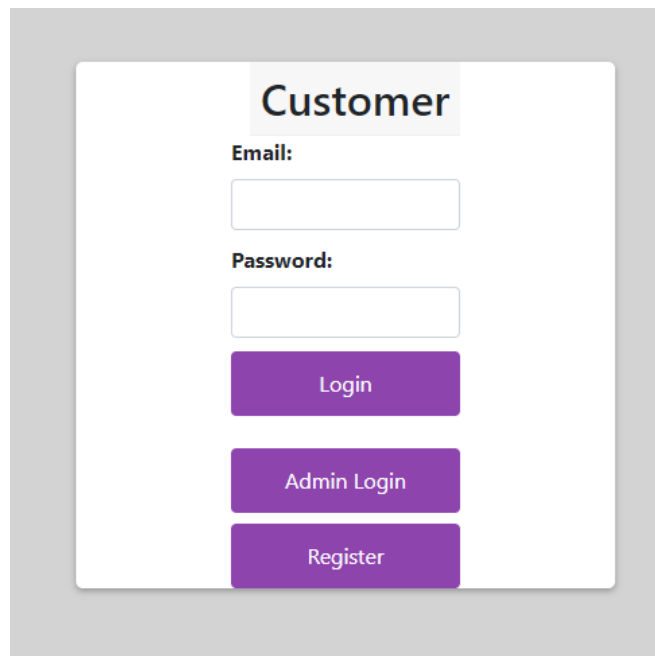
- a) Products: The Products button enables the user to see all the products that are present on the website. Each product has two options:
 - **Details:** The detail button will provide information such as price, color, quantity, product description, product name and an option to add to the cart.
 - **Add to Cart:** If the user clicks it, the product will be added directly in the cart.
- b) Brand: It's a dropdown list. The list consists of all the brands present on the website It helps the user to filter a particular brand to shop.
- c) Categories: This enables the user to shop for a particular category such as Men's shirt, T-shirts, suits, dress etc. It helps the user to filter a particular category to shop.
- d) Cart: The cart provides the list of all the items that are added by the user while shopping. It's in table form that provides details such as SrNo, image, Name, color, brand, category, price, quantity, discount, subtotal, update and delete.
 - The **update** option enables the user to increase/decrease the quantity from the cart.
 - The **delete** option clears enables the user to clear the item from the cart.
 - The **Clear cart** options enable the user to clear all the items from the cart.

➤ The **Order now** option enables the user to confirm its order.

e) Search: Using the search option present in the navigation bar, the user can search for a particular brand, category, or a product present in the home page.

Screenshots of the website

Login Page:



The screenshot displays a login interface for a customer. It features a white rectangular form centered on a light gray background. At the top of the form, the word "Customer" is written in a bold, black, sans-serif font. Below this, the label "Email:" is followed by a white input field with a thin gray border. Underneath the email field, the label "Password:" is followed by another white input field with a thin gray border. At the bottom of the form, there are three purple buttons with white text, stacked vertically. The buttons are labeled "Login", "Admin Login", and "Register" from top to bottom.

Register User:

Register User

Name:

Country:

Username:

City:

Email:

Contact:

Password:

Address:

Repeat Password:

Zip code:

Register

Home Page:

Youth Clothing Store


Products

Brands ▾


Categories ▾

Sign Up

Login

 (0)

Search




Black Dress

Price \$34.00

Details

Add to Cart




Yellow Dress

Price \$25.00

Details

Add to Cart




Blue Floral Shirt

Price \$15.00

Details

Add to Cart







White floral dress

Price \$30.00

Details

Add to Cart



Cart:

Youth Clothing Store


Products

Brands ▾





Categories ▾

Sign Up

Login

 (4)

Search

ID	Photo	Name	Color	Brand	Category	Price	Quantity	Discount	Subtotal	Update	Delete
1		Black Dress	Colors: <div>Black ▾</div>	Under Armour	Dress	\$34.00	<div>1</div>		\$34.00	<div>Update</div>	<div>Delete</div>
2		White floral dress	Colors: <div>White ▾</div>	Forever New	Frock	\$30.00	<div>1</div>		\$30.00	<div>Update</div>	<div>Delete</div>
3		Blue Floral Shirt	Colors: <div>White ▾</div>	Forever New	Men's Shirt	\$15.00	<div>1</div>		\$15.00	<div>Update</div>	<div>Delete</div>
4		Yellow Dress	Colors: <div>Yellow ▾</div>	Forever New	Dress	\$25.00	<div>1</div>		\$25.00	<div>Update</div>	<div>Delete</div>

Order now

Total: \$110.24

Clear cart

Admin Login:

Admin

Email Address









New Password

Login

Admin Home Page:

Hello Admin

welcome admin@admin.com you are logged in now

ID	Image	Name	Brand	Category	Price	Discount	Edit	Delete
1		White Striped Shirt	Guess	Men's Shirt	25.00	0	Edit	Delete
2		Green Dress	Forever New	Dress	30.00	0	Edit	Delete
3		Blue Jeans	Levis	Jeans	40.00	0	Edit	Delete
4		Black Jeans	Peter England	Jeans	40.00	0	Edit	Delete
5		White Tshirt	Jockey	TShirts	10.00	0	Edit	Delete
6		Blue Suit	Peter England	Suits	100.00	0	Edit	Delete
7		White floral dress	Forever New	Frock	30.00	0	Edit	Delete
8		Blue Floral Shirt	Forever New	Men's Shirt	15.00	0	Edit	Delete

```

CREATE TABLE brand (
    id INTEGER NOT NULL,
    name VARCHAR(30) NOT NULL,
    PRIMARY KEY (id),
    UNIQUE (name)
);
CREATE TABLE category (
    id INTEGER NOT NULL,
    name VARCHAR(30) NOT NULL,
    PRIMARY KEY (id),
    UNIQUE (name)
);
CREATE TABLE IF NOT EXISTS "register" (
    id INTEGER NOT NULL,
    name VARCHAR(50),
    username VARCHAR(50),
    email VARCHAR(50),
    password VARCHAR(200),
    country VARCHAR(50),
    city VARCHAR(50),
    contact VARCHAR(50),
    address VARCHAR(50),
    zipcode VARCHAR(50),
    date_created DATETIME NOT NULL,
    PRIMARY KEY (id),
    UNIQUE (username),
    UNIQUE (email)
);
CREATE TABLE user (
    id INTEGER NOT NULL,
    name VARCHAR(50) NOT NULL,
    username VARCHAR(80) NOT NULL,
    email VARCHAR(120) NOT NULL,
    password VARCHAR(180) NOT NULL,
    PRIMARY KEY (id),
    UNIQUE (username),
    UNIQUE (email)
);
CREATE TABLE addproduct (
    id INTEGER NOT NULL,
    name VARCHAR(80) NOT NULL,
    price NUMERIC(10, 2) NOT NULL,
    discount INTEGER,
    stock INTEGER NOT NULL,
    colors TEXT NOT NULL,
    "desc" TEXT NOT NULL,
    pub_date DATETIME NOT NULL,
    category_id INTEGER NOT NULL,
    brand_id INTEGER NOT NULL,
    image_1 VARCHAR(150) NOT NULL,
    image_2 VARCHAR(150) NOT NULL,
    PRIMARY KEY (id),
    FOREIGN KEY(category_id) REFERENCES category (id),
    FOREIGN KEY(brand_id) REFERENCES brand (id)
);

```



```
CREATE TABLE customer_order (  
    id INTEGER NOT NULL,  
    customer_id INTEGER NOT NULL,  
    orders TEXT,  
    PRIMARY KEY (id)  
);
```

Team Contribution

Each member of the team has diligently worked on the project. All the members of the project group collaborated and worked together on Database creation and management. Discussed the problems and came up with required solution. Ashwin worked on creation of HTML and CSS files for Admin.

Manideep

worked on creation of html and CSS files for Customer whereas Aman worked on creation of html and CSS for Product details. We have created around 40 python files separately for Admin, Customer and Product and divided the work equally among three members.

VIDEO LINK:

https://drive.google.com/file/d/1ieKowE8jBeS_UxQc-3_TLNPX3Gsk3fRe/view?usp=sharing