



THRIFT FASHION WEB APPLICATION

By

SFC - ALPHA KINGS

AWAIS LATIF

AHMED FARAZ

UMER ABDUL WAHID

HAMMAD AHMED

For TECHWIZE GLOBAL IT COMPETITION

Organized By

APTECH COMPUTER EDUCATION



ACKNOWLEDGMENT

*I would like to express my deep sense of gratitude and convey thanks to everyone who helped me and supported during the competition. First, I would like to express a deep sense of gratitude to the staff of **Aptech Shahrah-e-faisal Center** for providing a peaceful atmosphere throughout the competition. I also convey thanks to all my team members as they depicted a great piece of teamwork, without which, this project won't be the same.*

I acknowledge my teachers for providing the courses and helping me to develop the skills necessary to design Web Application. Last but not the least, I would like to thank my family members for their constant and unrelenting support towards my education.

TABLE OF CONTENT

1. Definition of the Problem	4
2. Requirement Analysis	4
3. Design Phase	8
4. Architecture of Application	9.
6. Project Tracking and Monitoring Activities.....	10.
7. Flow Chart.....	11.
8. DFD Diagram	12.
9. Database	13.
10. Source Code	14.
10.User Guide	15.

Definition of the Problem:

People often discard clothing items when they are no longer in use. They buy clothing from malls, online retail stores, or regular neighborhood stores and later, when these clothes outgrow their utility, they throw them away or dump them in bins. This has even happened in the case of high cost clothing. People who can afford expensive fashion typically do not like to repeat their outfits. They move on to buy newer items barely after using current items on two or three occasions. The older ones are then just discarded. This causes burden on the planet because as the number of such discarded fashion (which is still in good condition, nevertheless) increases, the effort to dispose them also increases.

These days, recycling, sustainability, and reuse are not just buzzwords, but actionable behaviors to support a better planet. Instead of discarding clothes that are still in good condition, but no longer required by the original buyers, these clothes can be sold as thrift fashion or pre-used clothing.

In simple terms, shopping for thrift fashion is second hand purchases for fashionable clothing.

This supports the theme of recycling and sustainability and is also affordable by many who could not purchase new fashionable clothing.

The proposed solution is a Web application titled **Thrift Fashion**. It should help individuals with online shopping for pre-used fashionable clothing and provide better access to such products. Users can browse for products, search, filter, and so on. submit their feedback regarding the application using a feedback form.

You have been given a contract to design and build this e-commerce based Web application.

Requirement Analysis:

1. Functional Requirements:

Application will be designed with a set of forms/pages with menus representing choice of activities to be performed.

Following are the functional requirements of the system (note, 'product' refers to clothing item products):

- **Home Page:** It will display general purpose information pages through menus such as Login, Registration, Settings, Products, Today's Deals, Find Product, Checkout, About Us, Contact Us,

Design and Implementation of Thrift Fashion Web Application

Feedback, and so on. A few featured products should be displayed on the home page. These will be displayed as images with brief captions.

- **Register:** It will enable new customers (henceforth called as users) to register themselves with Thrift Fashion. At the time of registration, users must provide Name, Email ID, Contact Number, and Username, and then, select their Password.
- **Login:** It will allow successfully registered users to login to the Thrift Fashion application and access various features of the application through menus or other options such as Settings (Create, Update, and Delete Profile will be the sub options). A profile can include detailed information about the user, such as address for dispatch of products, saving of credit card information, and soon.
- **Settings:** Users will be able to manage their accounts by using sub options such as Create, Update, and Delete Profile. Users can also add addresses using this option.
- **Products:** This option will showcase the products one can order online via Thrift Fashion. Products can be displayed through an image gallery and can have product information such as availability, stock, price, discount (if any), product description, and soon.
- **Find Product:** Using this option, users can search for a specific product.
- **Sort Products:** User can view a sorted list of products based on price, brand name, or launch date of product.
- **Filter Products:** User can narrow down the list of products to get a filtered list based on price, brand, or launch date of product.
- **Checkout:** This should show the shopping cart contents and total bill based on product price and quantity of products purchased. You do not have to implement payment functionality, just list the cart contents and compute the bill.
- **Cancel Order:** User can cancel an already placed order through this option.
- **Contact Us:** This menu option should display Email id, address, and contact number of the organization who is developing the system.
- **Submit Feedback:** Users can submit their feedback regarding the application using a feedback form.

2. Non-Functional Requirements:

- **Safe to use:** The system should not result in any malicious downloads or unnecessary file downloads.
- **Accessible:** The system should have clear and legible fonts, user-interface elements, and navigation elements.
- **User-friendly:** The system should be easy to navigate with clear menus and other elements and easy to understand.
- **Operability:** The system should operate in a reliably efficient manner.
- **Performance:** The system should demonstrate high value of performance through speed and throughput. In simple terms, the system should be fast to load and page redirection should be smooth.
- **Security:** The system should implement adequate security measures such as authentication. For example, only registered users can access certain features.
- **Capacity:** The system should support large number of users.

Design and Implementation of Thrift Fashion Web Application

- **Availability:** The system should be available 24/7 with minimum downtime.
- **Compatibility:** The system should be compatible with latest browsers.

3. Overview of Processes Involved in The System:

- User Registration & Login.
- Add & Modify Category.
- Add & Modify Brand.
- Add & Modify Product.
- Add & Modify Payment.
- Add & Modify Product.
- Add & Modify Deals.

4. Hardware and software required for implementing the project:

- Frontend: HTML5, CSS3, Bootstrap, Angular Js /Angular, JavaScript, jQuery, AJAX, XML
- Client & Server: Java 8 or higher, Java EE 7 or higher/Jakarta EE OR C# 7.2 or higher with ASP.NET MVC 5 and ASP.NET MVC Core (optional) OR PHP 7.0 or higher version with Laravel Framework OR Python 3.0 or higher with Flask
- Database: MySQL 5.7 or higher/SQL Server 2016 or higher
- Intel Core i5 Processor or higher
- 8 GB RAM or above
- Color SVGA
- 500 GB Hard Disk space

5. Customer Acceptance Criteria (CRS):

S.No.	Customer's Acceptance Criteria
1.	Home page is displaying general purpose information.
2.	Registration page is added which will allow new users to register to Thrift Fashion.
3.	Settings will allow users to see and update their profile.
4.	Search option is added through which user can find any product.
5.	User can sort and filter the products by brand, category and price.
6.	Order cancellation option is added through which user can cancel the placed order.
7.	Feedback section is added through which user can submit review about the site.
8.	Website is secure to use.
9.	The system is available 24/7 with minimum downtime.

Design and Implementation of Thrift Fashion Web Application

10.	Website is user-friendly and easily operate.
11.	The system is compatible with latest browsers.

Design Phase:

1. Designing the GUI Standards:

Date	12 - Aug - 2022
Design Plan:	Document Name: GUI Standard Document
Property	Value
Document Theme and Color Scheme	#17c6aa
Form-Background Color	White
Title-Font Color	#17c6aa
Title-Font Style	Popins
Title-Alignment	Left
Background color of Controls on the form	White
Foreground color of Controls on the form	#17c6aa

Forms To Be Created

Page/Form Name	Controls on the Page/Form
Category	Categories details
Brands	Brands details
Products	Product details
Contact	Contact details
Feedback	Review Option
Profile	View & Modify Account

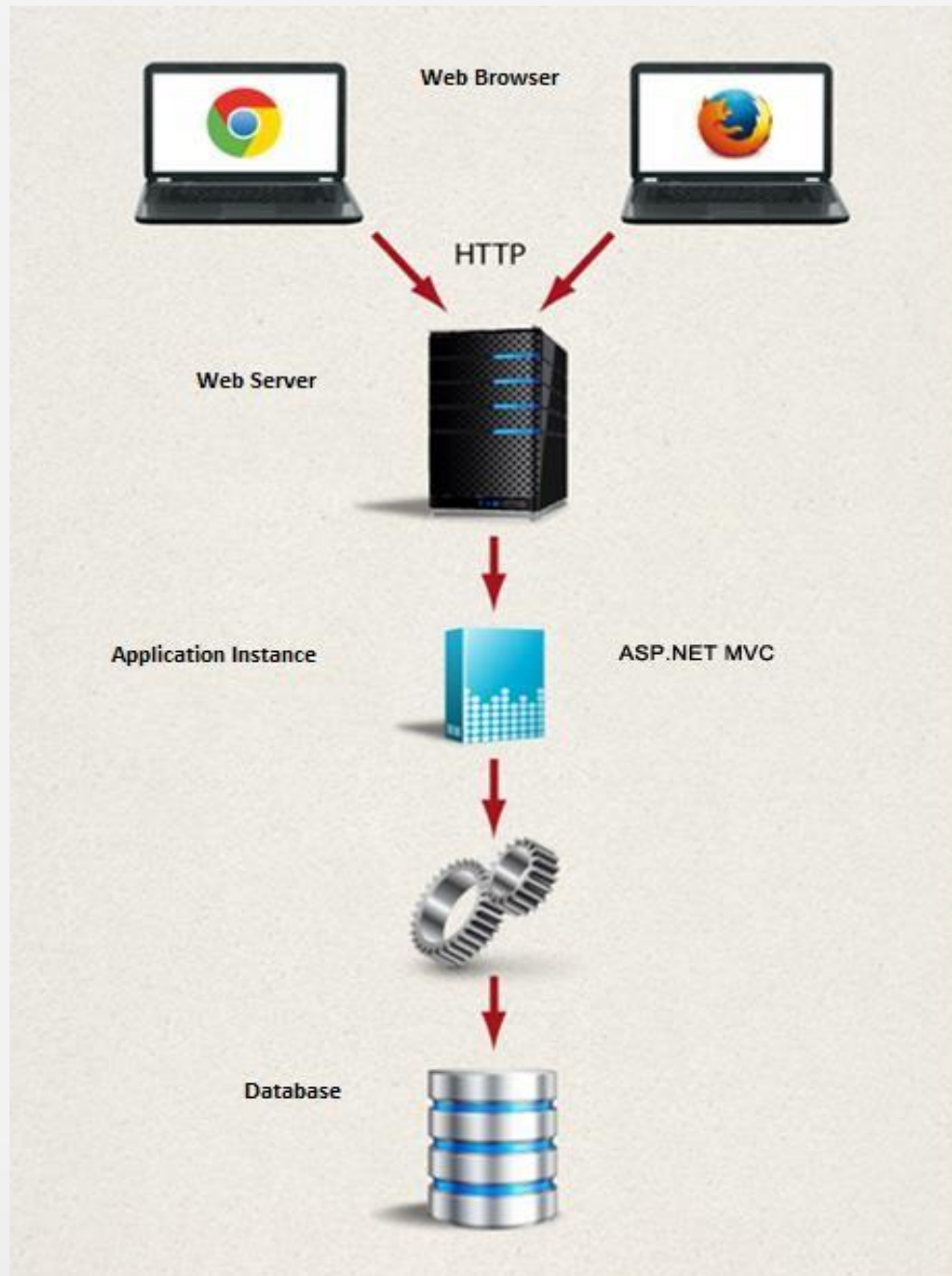
Design and Implementation of Thrift Fashion Web Application

2. Assigning and Monitoring Tasks:

Task Sub Division	Description	Planned Start Date	Actual Start Date	Team Member
Frontend	All work related to website.	10 august 2022		Awais & Faraz
Backend	All work related to Admin Pannel.	11 august 2022		Umer & Faraz
Documentation, User Manual, Logo	All Work related to documentation, logo , images.	13 august 2022		Umer & Faraz

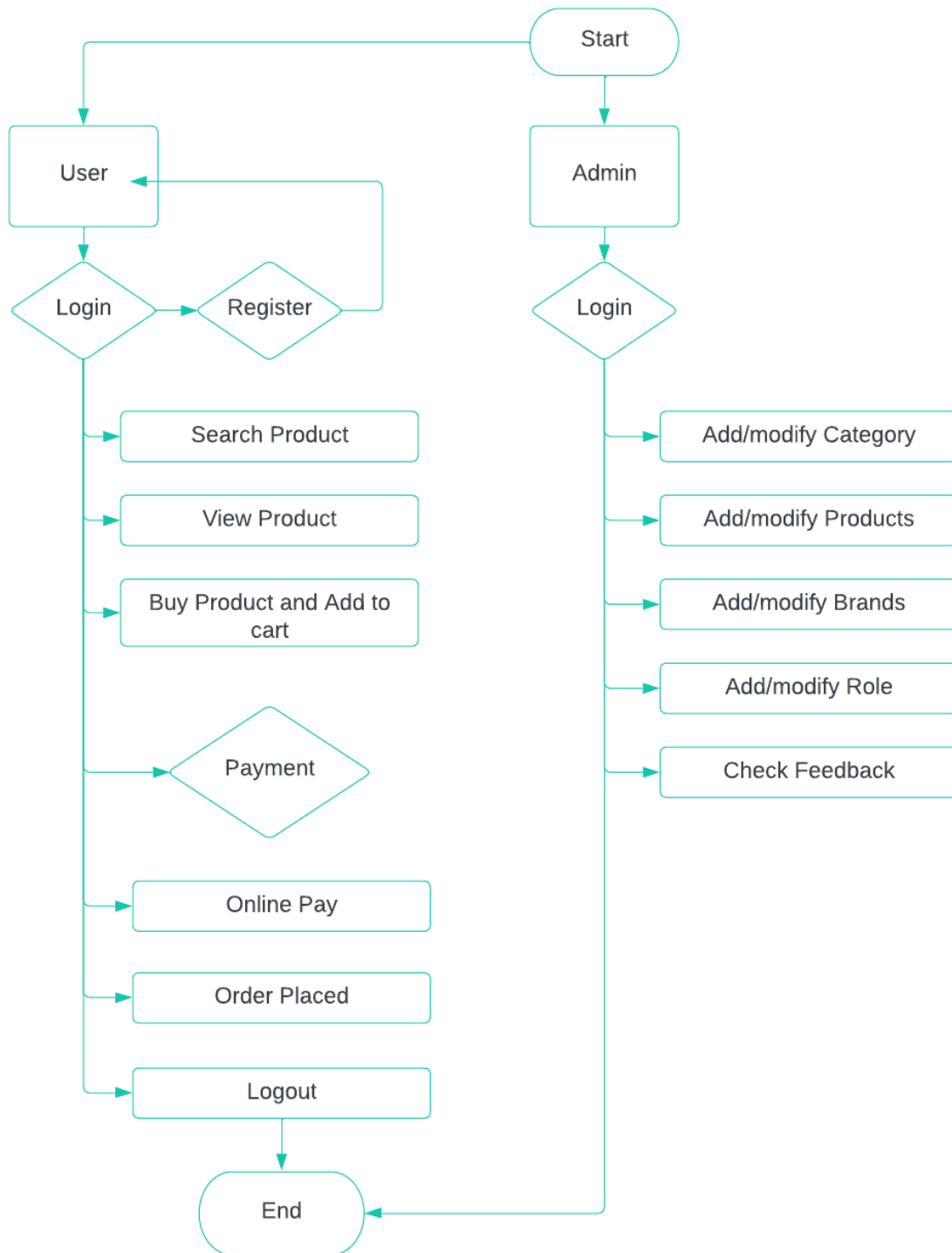
Architecture of Application:

Architecture:



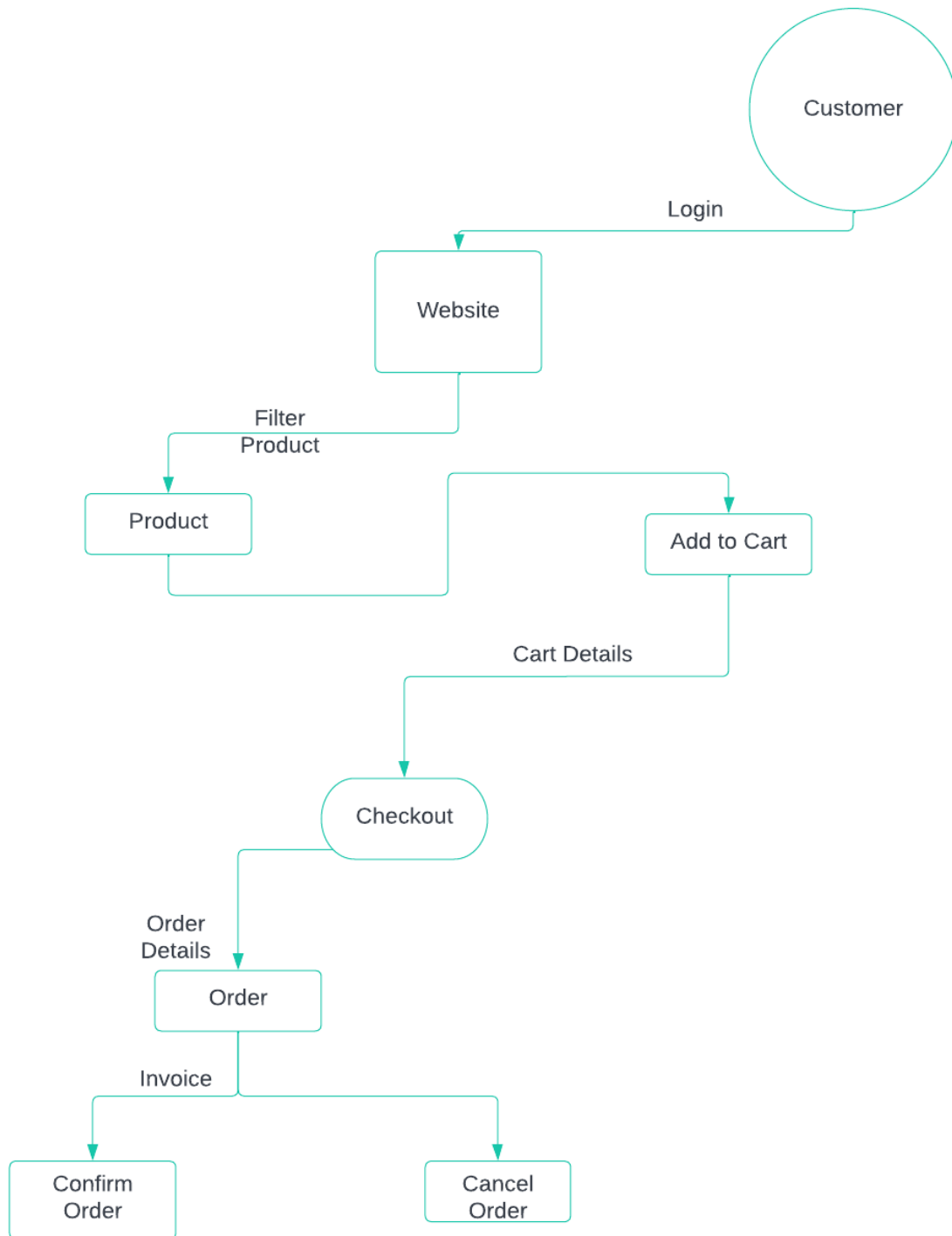
Design and Implementation of Thrift Fashion Web Application

Flowchart for Online Courier Management System:



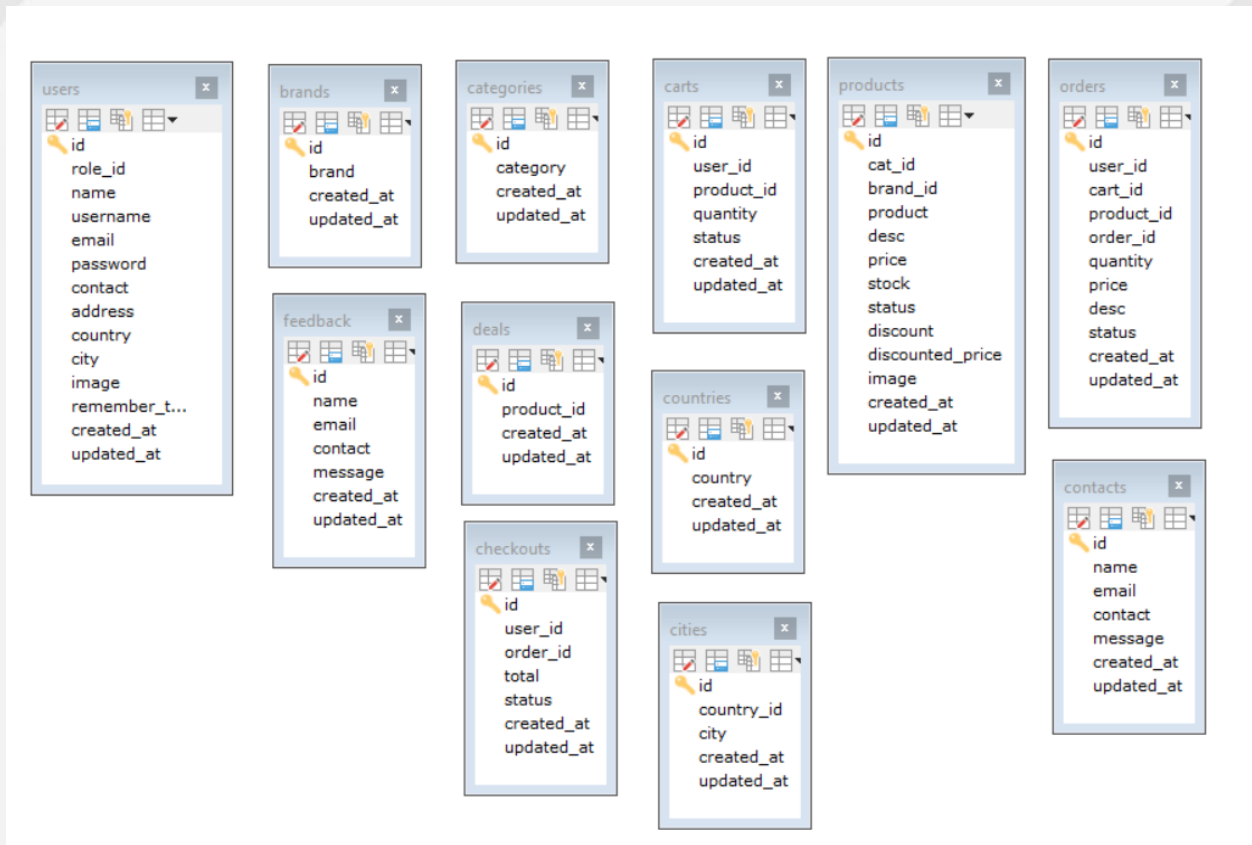
Design and Implementation of Thrift Fashion Web Application

DFD Diagram:



Design and Implementation of Thrift Fashion Web Application

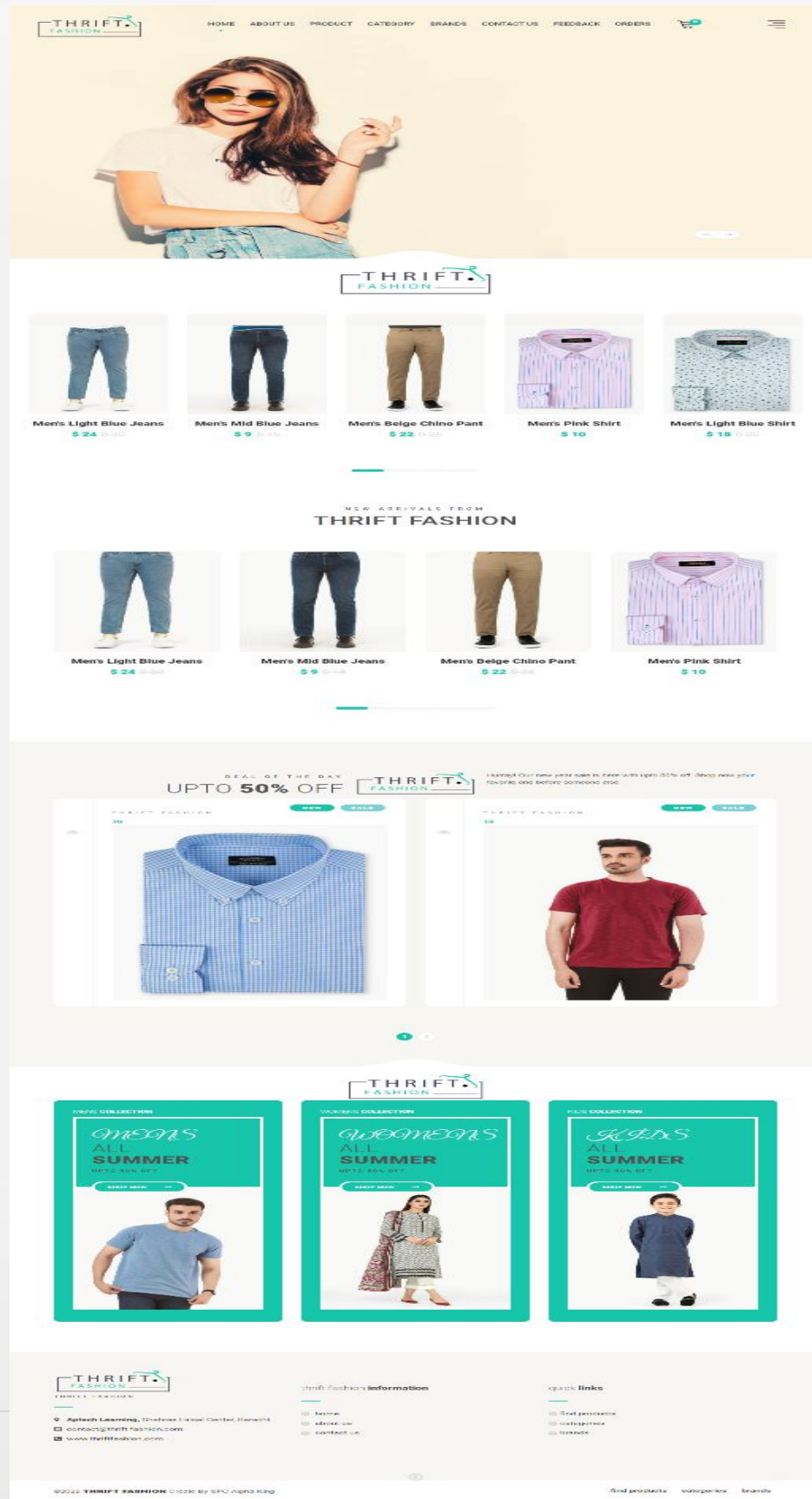
Database:



Design and Implementation of Thrift Fashion Web Application

Source Code:

HOME :

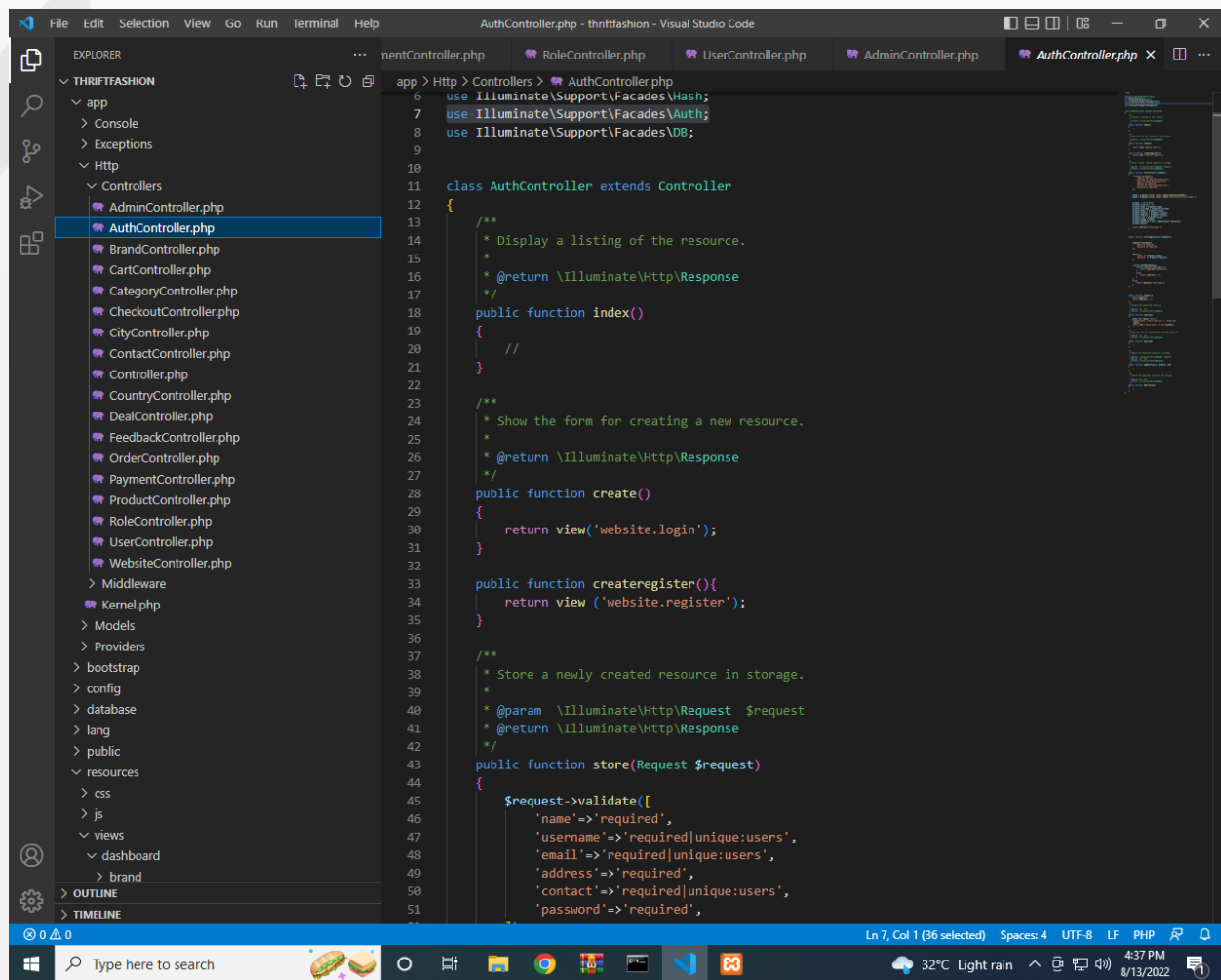


The image shows a Visual Studio Code editor window with a file named 'index.blade.php' open. The code is a Blade template for a website. It starts with a resource view, then defines a main slider section. The slider contains three items, each with an image and text. The first item is 'naturix-slider' with a class of 'owl-carousel nav-1'. The second item is 'Organic All Starts' with a class of 'organic-all sec-space-bottom'. The third item is 'pattern' with a class of 'pattern'. The code uses Laravel's Blade templating engine syntax, including @extends, @section, @php, and @endphp. The editor interface includes a sidebar with icons for Explorer, Search, Source Control, and Run and Debug. The top status bar shows the file path 'Ln 180, Col 88' and the current mode 'PHP'. The bottom status bar shows the system tray with icons for network, volume, and battery, along with the date and time '4:35 PM 8/13/2022'.

14 | Page

Design and Implementation of Thrift Fashion Web Application

Auth Controller:



The screenshot displays the Visual Studio Code editor with the 'AuthController.php' file open. The Explorer sidebar on the left shows the project structure, with 'AuthController.php' selected under the 'Controllers' folder. The main editor area shows the following PHP code:

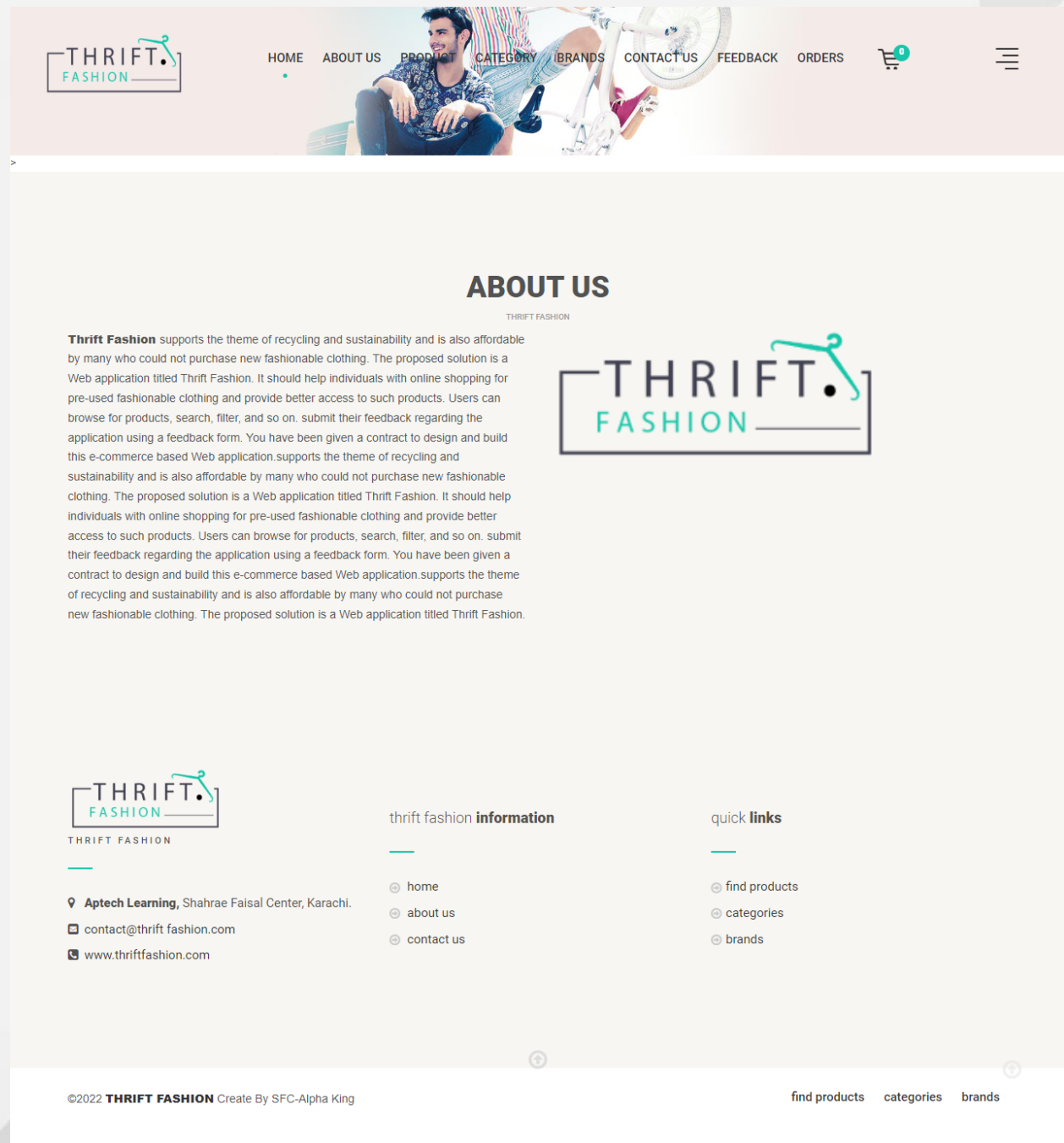
```
AuthController.php - thriftfashion - Visual Studio Code
File Edit Selection View Go Run Terminal Help
... nentController.php RoleController.php UserController.php AdminController.php AuthController.php x ...

app > Http > Controllers > AuthController.php
6 use Illuminate\Support\Facades\Hash;
7 use Illuminate\Support\Facades\Auth;
8 use Illuminate\Support\Facades\DB;
9
10
11 class AuthController extends Controller
12 {
13     /**
14      * Display a listing of the resource.
15      *
16      * @return \Illuminate\Http\Response
17      */
18     public function index()
19     {
20         //
21     }
22
23     /**
24      * Show the form for creating a new resource.
25      *
26      * @return \Illuminate\Http\Response
27      */
28     public function create()
29     {
30         return view('website.login');
31     }
32
33     public function createRegister(){
34         return view ('website.register');
35     }
36
37     /**
38      * Store a newly created resource in storage.
39      *
40      * @param \Illuminate\Http\Request $request
41      * @return \Illuminate\Http\Response
42      */
43     public function store(Request $request)
44     {
45         $request->validate([
46             'name'=>'required',
47             'username'=>'required|unique:users',
48             'email'=>'required|unique:users',
49             'address'=>'required',
50             'contact'=>'required|unique:users',
51             'password'=>'required',
52         ]);
53     }
54 }
```

The status bar at the bottom indicates the current cursor position is at Line 7, Column 1 (36 selected), with 4 spaces, UTF-8 encoding, LF line endings, and PHP syntax highlighting. The system tray shows a temperature of 32°C, light rain, and the date 8/13/2022.

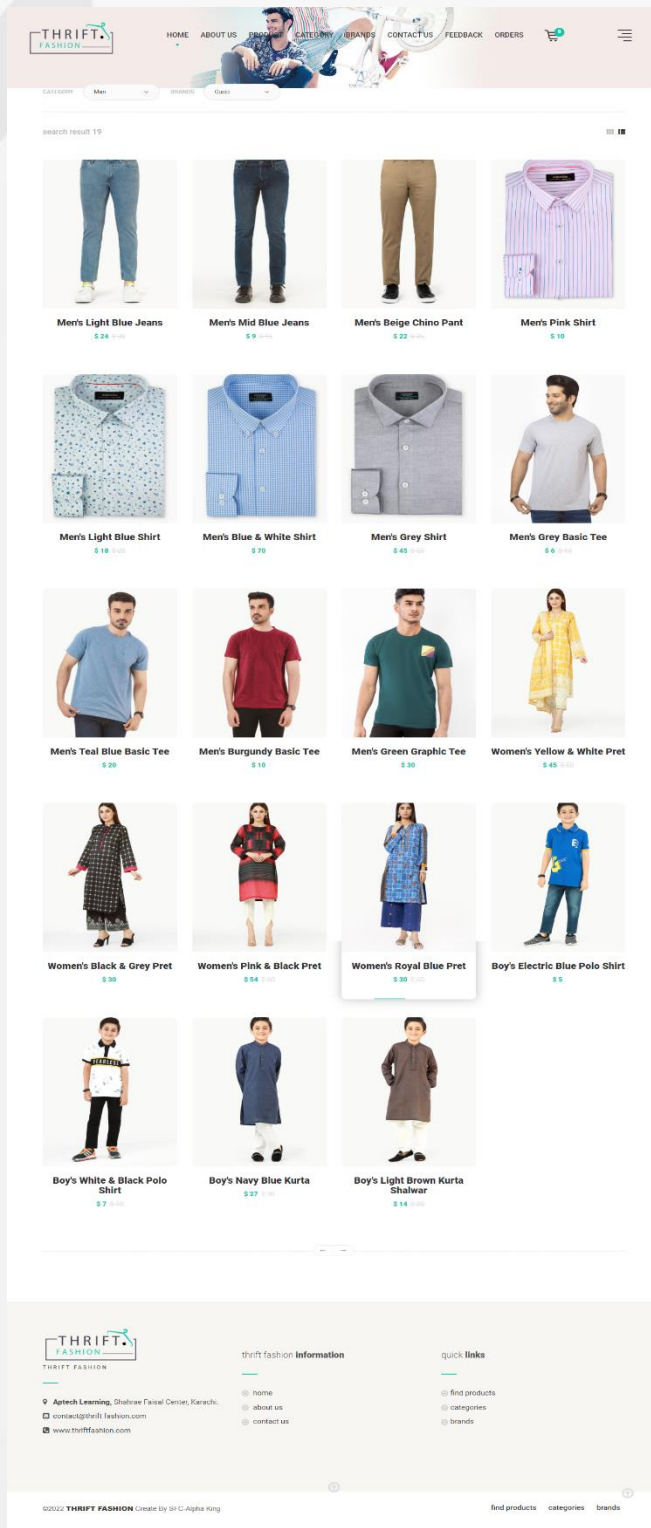
Design and Implementation of Thrift Fashion Web Application

ABOUT:



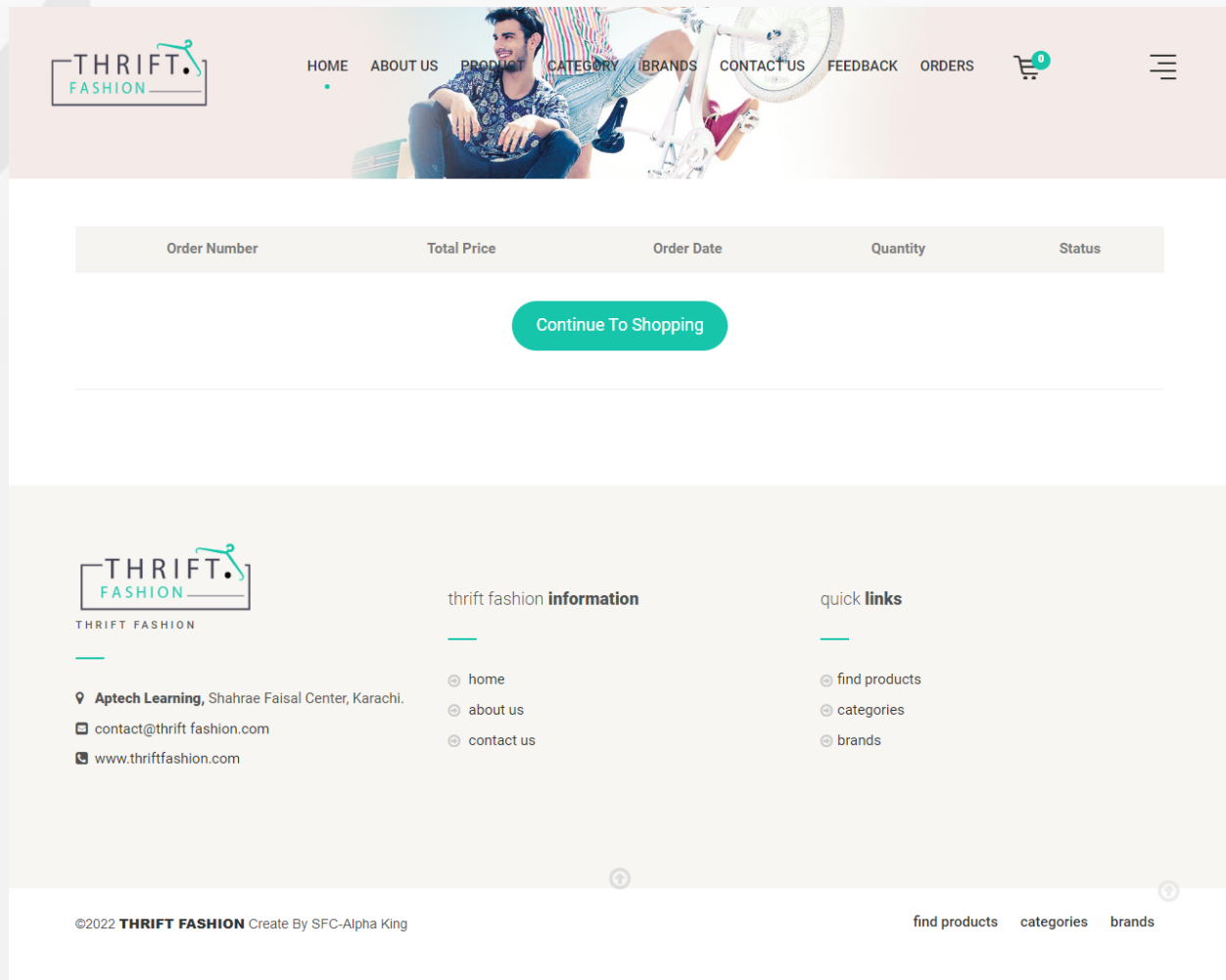
Design and Implementation of Thrift Fashion Web Application

PRODUCT:



Design and Implementation of Thrift Fashion Web Application

ORDERS:



User Guide:

1. **Admin Login:**
 - Email : admin@admin.com
 - Password : admin123