

Assignment	IAD
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Lab	03

Problem Statement

Consider the Pine Valley Furniture Company database designed and implemented using structured query language during previous semester. Try to recall major relations in the database (CUSTOMER_T, ORDER_T, ORDER_LINE_T, and PRODUCT_T).

There is a need to implement a web based solution for above mentioned database. The web based solution must incorporate following functionalities:

- i) New Customer Registration
- ii) Searching of Products
- iii) Products Selection and Order Placement
- iv) Product Catalog Update
- v) Payment Provision

As a first step design above mentioned (i) to (v) user interfaces using paper and pencil.

Next write appropriate html for creating (i) to (v) user interface prototypes.

Create links for navigation among above pages.

Design a menu using list and styles.

Add help pages for user guidance.

Either use table for layout or may opt for flow based layout.

Test user interface prototypes in browser.

Experiment with style sheets.

Moving towards Business Intelligence

- i) Try to transform order processing system into a customer segmentation analysis platform.
- ii) How user profiling can be added into basic order processing system?
- iii) How targeted marketing can be realized?

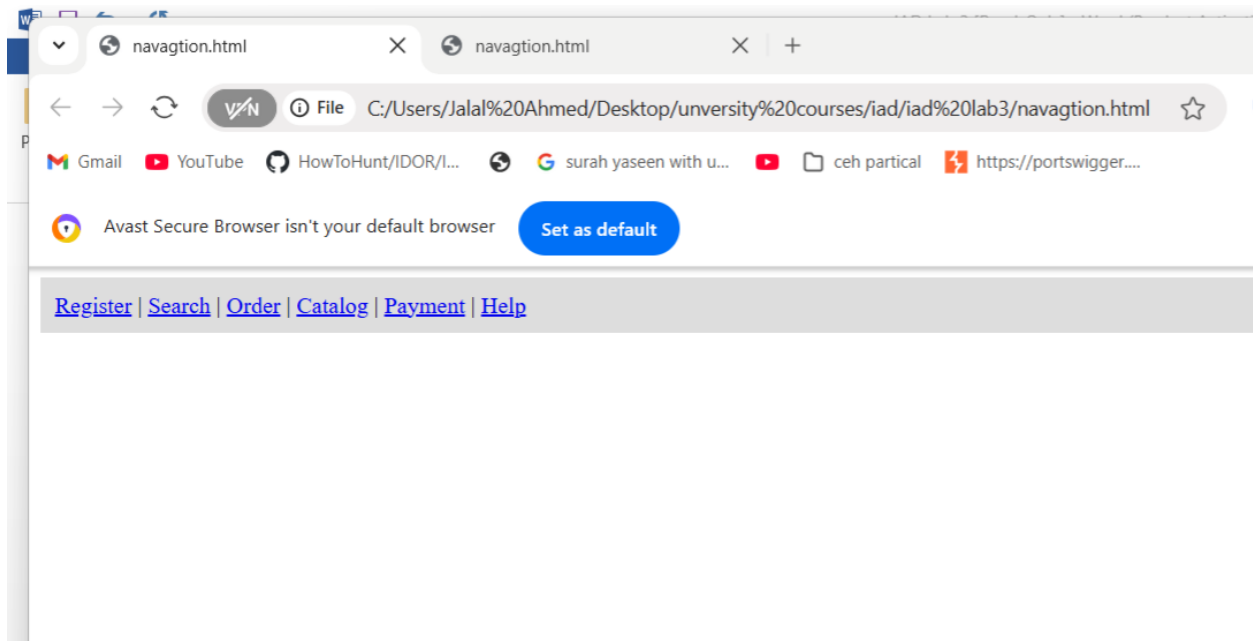
Code implementation

Html code :

1) navigation page

```
<div style="background: #ddd; padding: 10px;">
<a href="register.html">Register</a> |
<a href="search.html">Search</a> |
<a href="order.html">Order</a> |
<a href="catalog.html">Catalog</a> |
<a href="payment.html">Payment</a> |
<a href="help.html">Help</a>
</div>
<br>
```

Output

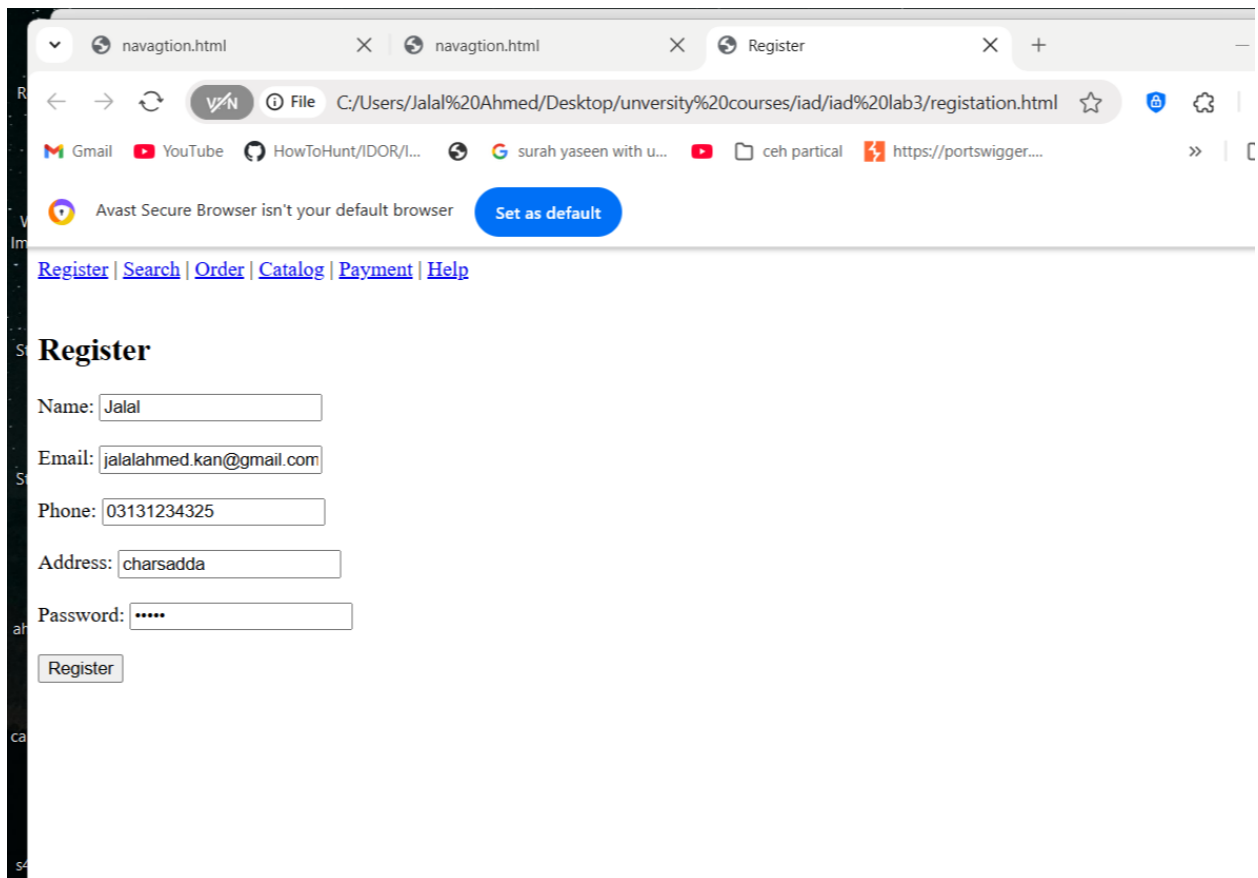


Registration page:

```
<!DOCTYPE html>
<html>
<head><title>Register</title></head>
<body>
<div>
<a href="register.html">Register</a> |
<a href="search.html">Search</a> |
<a href="order.html">Order</a> |
<a href="catalog.html">Catalog</a> |
<a href="payment.html">Payment</a> |
<a href="help.html">Help</a>
</div><br>

<h2>Register</h2>
<form>
Name: <input type="text"><br><br>
Email: <input type="email"><br><br>
Phone: <input type="text"><br><br>
Address: <input type="text"><br><br>
Password: <input type="password"><br><br>
<input type="submit" value="Register">
</form>
</body>
</html>
```

Output



Search page

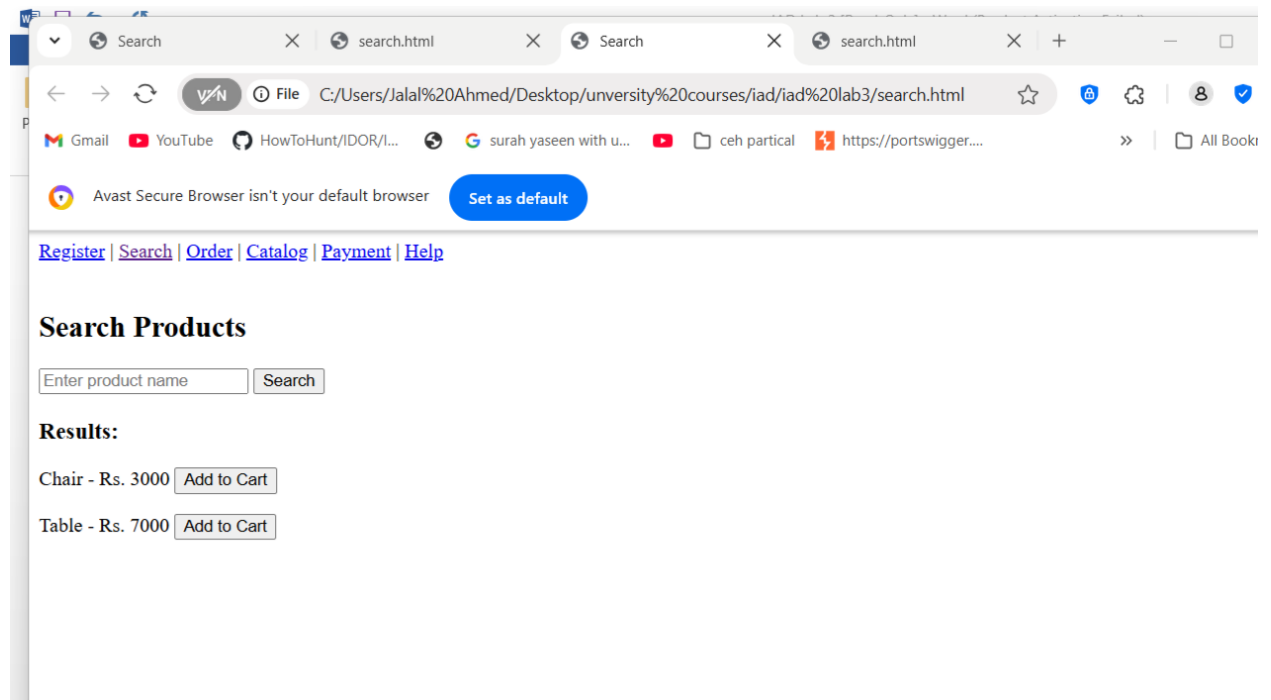
```
<!DOCTYPE html>
<html>
<head><title>Search</title></head>
<body>
<div>
<a href="register.html">Register</a> |
<a href="search.html">Search</a> |
<a href="order.html">Order</a> |
<a href="catalog.html">Catalog</a> |
```

```
<a href="payment.html">Payment</a> |  
<a href="help.html">Help</a>  
</div><br>
```

```
<h2>Search Products</h2>  
<input type="text" placeholder="Enter product name">  
<button>Search</button>
```

```
<h3>Results:</h3>  
<p>Chair - Rs. 3000 <button>Add to Cart</button></p>  
<p>Table - Rs. 7000 <button>Add to Cart</button></p>  
</body>  
</html>
```

Output

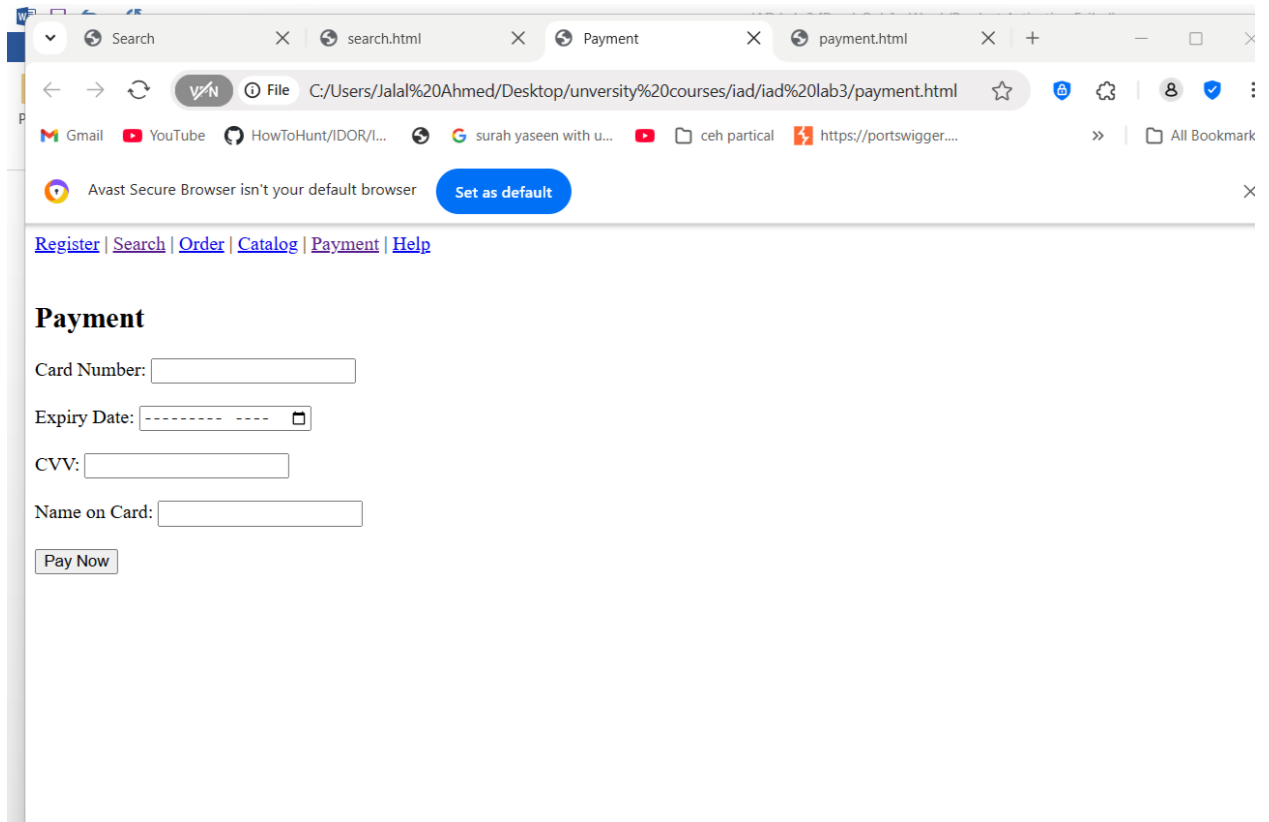


Payment page

```
<!DOCTYPE html>
<html>
<head><title>Payment</title></head>
<body>
<div>
<a href="register.html">Register</a> |
<a href="search.html">Search</a> |
<a href="order.html">Order</a> |
<a href="catalog.html">Catalog</a> |
<a href="payment.html">Payment</a> |
<a href="help.html">Help</a>
</div><br>

<h2>Payment</h2>
<form>
Card Number: <input type="text"><br><br>
Expiry Date: <input type="month"><br><br>
CVV: <input type="text"><br><br>
Name on Card: <input type="text"><br><br>
<input type="submit" value="Pay Now">
</form>
</body>
</html>
```

Output:



Order page

```
<!DOCTYPE html>
<html>
<head><title>Order</title></head>
<body>
<div>
<a href="register.html">Register</a> |
<a href="search.html">Search</a> |
<a href="order.html">Order</a> |
<a href="catalog.html">Catalog</a> |
<a href="payment.html">Payment</a> |
<a href="help.html">Help</a>
</div><br>

<h2>Order Products</h2>
<p>Chair <input type="number" value="1"> <button>Add to Cart</button></p>
```

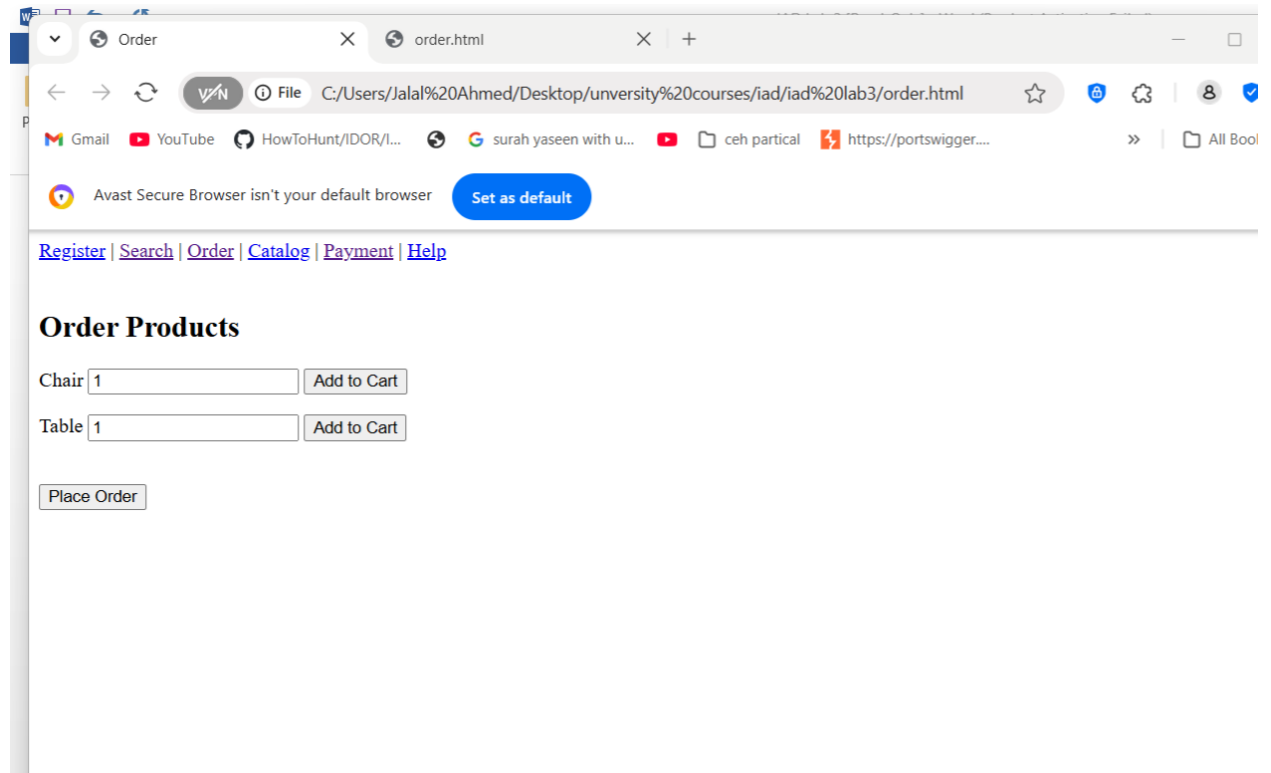
<p>Table <input type="number" value="1"> <button>Add to Cart</button></p>

<button>Place Order</button>

</body>

</html>

Output:



Help page:

<!DOCTYPE html>

<html>

<head><title>Help</title></head>

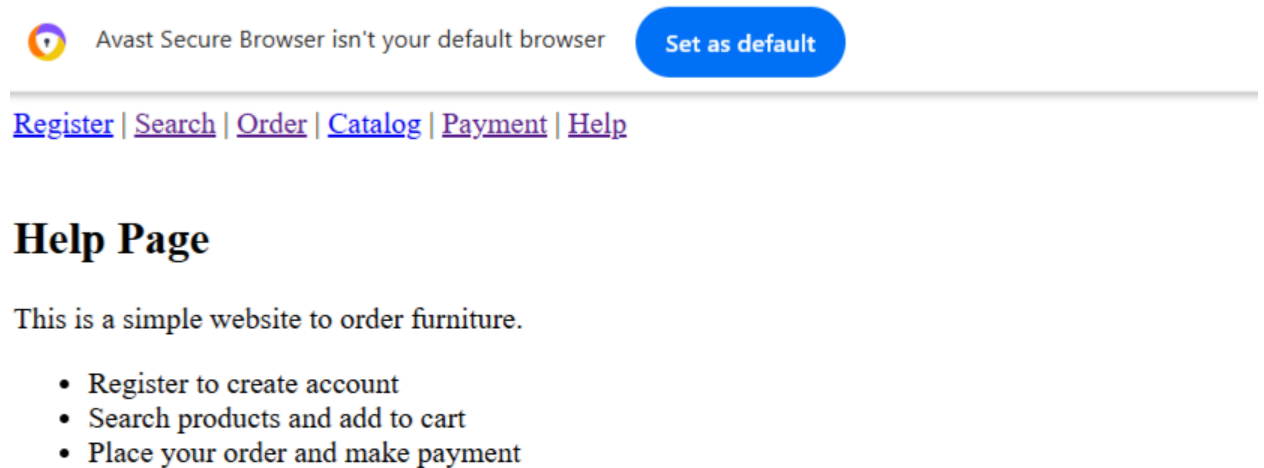
<body>

<div>

Register |


```
<a href="search.html">Search</a> |  
<a href="order.html">Order</a> |  
<a href="catalog.html">Catalog</a> |  
<a href="payment.html">Payment</a> |  
<a href="help.html">Help</a>  
</div><br>  
  
<h2>Help Page</h2>  
<p>This is a simple website to order furniture.</p>  
<ul>  
<li>Register to create account</li>  
<li>Search products and add to cart</li>  
<li>Place your order and make payment</li>  
</ul>  
</body>  
</html>
```

Output:



Catalog page:

```
<!DOCTYPE  
html>
```

```
<html>  
<head><title>Catalog</title></head>  
<body>  
<div>  
<a href="register.html">Register</a> |  
<a href="search.html">Search</a> |  
<a href="order.html">Order</a> |  
<a href="catalog.html">Catalog</a> |  
<a href="payment.html">Payment</a> |  
<a href="help.html">Help</a>  
</div><br>  
  
<h2>Update Product Catalog</h2>  
<form>  
Product ID: <input type="text"><br><br>  
Name: <input type="text"><br><br>  
Description: <input type="text"><br><br>  
Price: <input type="number"><br><br>  
Quantity: <input type="number"><br><br>  
<input type="submit" value="Add Product">  
</form>  
</body>  
</html>
```

