



Bicol University
College of Science
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It Elect. 1 - Web Development 1

LAB 6

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BSIT - 3C



HOME PAGE

 Robiel Prince Café

Home Menu About Us Contact Us

Welcome to Robiel Prince Café PrinceLouisJaylo!

Where every bite is a *little joy*.

Savor light meals, delightful snacks, and a cozy atmosphere crafted just for you.

Our Features



Morning Delights & Snack Staples



Delicious Meals & Free Soups



Refreshing Drinks & Beverages

 Robiel Prince Café

Home Menu About Us Contact Us

Our Best Seller



Egg Sandwich

\$1.2

★★★★★

Buy



Tapsilog

\$1.2

★★★★★

Buy



Pancit Bihon

\$1.2

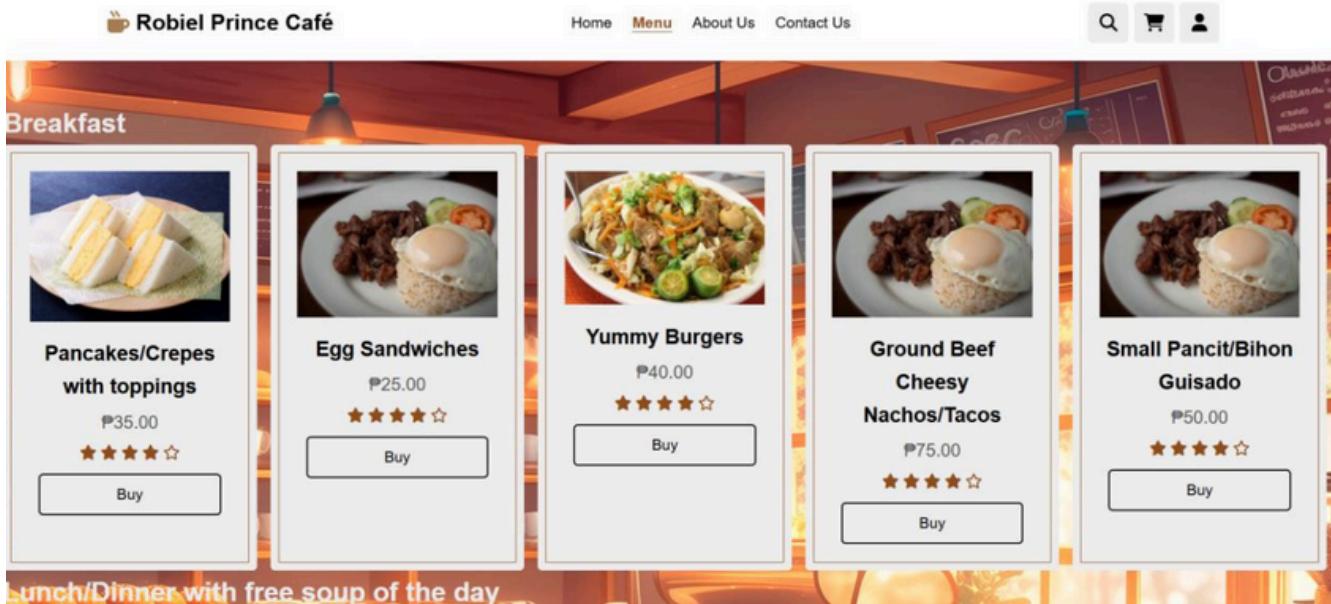
★★★★★

Buy

Code Snippet: The controller processes a username parameter and fetches an array of featured menu items to display on the homepage.

Explanation: The controller retrieves and formats the data before passing it to the view, ensuring a seamless user experience.

MENU PAGE



- Code Snippet:** Data is fetched from a simulated database and passed to the Blade template for rendering.
- Explanation:** The controller dynamically assigns menu items to the view, which iterates over the data to render individual elements.

HOME PAGE CONTROLLER

```
 HomePageController.php X
E-commerce_Lab-6-main > app > Http > Controllers > HomePageController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class HomePageController extends Controller
8  {
9      public function index($username = 'Guest')
10     {
11         // Simulated "Best Sellers" data
12         $bestSellers = [
13             [
14                 'name' => 'Egg Sandwich',
15                 'price' => '$1.2',
16                 'image' => 'css/img1.jpg',
17                 'rating' => 4
18             ],
19             [
20                 'name' => 'Tapsilog',
21                 'price' => '$1.2',
22                 'image' => 'css/img2.jpg',
23                 'rating' => 4
24             ],
25             [
26                 'name' => 'Pancit Bihon',
27                 'price' => '$1.2',
28                 'image' => 'css/img3.jpg',
29                 'rating' => 4
30             ]
31         ];
32     }
33 }
```

- Homepage Controller:** Retrieves a username from the URL and fetches relevant data, such as featured menu items. The logic includes formatting data arrays and ensuring compatibility with the Blade templates.
- Menu Controller:** Processes menu items by fetching data from a predefined array and passing it, along with the username, to the menu page.

MENU CONTROLLER PAGE

```
MenuController.php X
E-commerce_Lab-6-main > app > Http > Controllers > MenuController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class MenuController extends Controller
8  {
9      public function index($username)
10     {
11         // Simulated menu data
12         $menuItems = [
13             [
14                 'name' => 'Pancakes/Crepes with toppings',
15                 'price' => '₱35.00',
16                 'image' => 'css/img1.jpg',
17                 'rating' => 4
18             ],
19             [
20                 'name' => 'Egg Sandwiches',
21                 'price' => '₱25.00',
22                 'image' => 'css/img2.jpg',
23                 'rating' => 4
24             ],
25             [
26                 'name' => 'Yummy Burgers',
27                 'price' => '₱40.00',
28                 'image' => 'css/img3.jpg',
29                 'rating' => 4
30             ],
31             [
32                 'name' => 'Ground Beef Cheesy Nachos/Tacos',
33                 'price' => '₱75.00',
34                 'image' => 'css/img2.jpg',
35                 'rating' => 4
36             ],
37             [
38                 'name' => 'Small Pancit/Bihon Guisado',
39                 'price' => '₱50.00',
40                 'image' => 'css/img2.jpg',
41                 'rating' => 4
42             ],
43         ];
44
45         // Pass data to the view
46         return view('menu', ['username' => $username, 'menuItems' => $menuItems]);
47     }
48 }
```

- **Code Snippet:** Data is fetched from a simulated database and passed to the Blade template for rendering.
- **Explanation:** The controller dynamically assigns menu items to the view, which iterates over the data to render individual elements.

MENU CONTROLLER PAGE

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MenuController.php X
E-commerce_Lab-6-main > app > Http > Controllers > MenuController.php
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5  use Illuminate\Http\Request;
6
7  class MenuController extends Controller
8  {
9      public function index($username)
10     {
11         // Simulated menu data
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13             [
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23                 'rating' => 4
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25             [
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- **Code Snippet:** Data is fetched from a simulated database and passed to the Blade template for rendering.
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ROUTES

```
web.php  X  
E-commerce_Lab-6-main > routes > web.php  
1  <?php  
2  
3  use Illuminate\Support\Facades\Route;  
4  use App\Http\Middleware\LogRequests;  
5  use App\Http\Middleware\CheckAge;  
6  use App\Http\Controllers\HomePageController;  
7  use App\Http\Controllers\AboutUsController;  
8  use App\Http\Controllers\MenuController;  
9  use App\Http\Controllers>ContactUsController;  
10 use App\Http\Controllers\LoginController;  
11 use App\Http\Controllers\RestrictedAreaController;  
12 // Homepage, About Us, Menu, Contact Us routes with dynamic username  
13 Route::get('/homepage/{username}', [HomePageController::class, 'index'])->name('homepage');  
14 Route::get('/aboutus/{username}', [AboutUsController::class, 'index'])->name('aboutus');  
15 Route::get('/menu/{username}', [MenuController::class, 'index'])->name('menu');  
16 Route::get('/contactus/{username}', [ContactUsController::class, 'index'])->name('contactus');
```

- **Homepage Controller:** Retrieves a username from the URL and fetches relevant data, such as featured menu items. The logic includes formatting data arrays and ensuring compatibility with the Blade templates.
- **Menu Controller:** Processes menu items by fetching data from a predefined array and passing it, along with the username, to the menu page.
- **Dynamic URL Parameters:** Both controllers utilize a {username} parameter embedded in the route. This parameter personalizes the user experience by including the username in greetings and other context-aware features.
- **Example:** A URL like /home/JohnRussel dynamically adjusts the homepage to address the user "PrinceLouis" specifically.

BLADE TEMPLATES

homepage.blade.php

```
homepage.blade.php X
E-commerce_Lab-6-main > resources > views > homepage.blade.php
1  @extends('Components.Layout')
2
3  @section('title', 'Home Page')
4
5  @section('content')
6      <section class="hero">
7          <div class="home-bg-blur"></div>
8          <div class="home-content">
9              <h1>Welcome to Robiel Prince Café {{ $username }}!</h1>
10             <h2>Where every bite is a <span>little joy.</span></h2>
11             <p>Savor light meals, delightful snacks, and a cozy atmosphere crafted just for you.</p>
12         </div>
13     </section>
14
15     <section class="home-heading">
16         <div class="heading">Our <span>Features</span></div>
17         <div class="feature">
18             <div class="feature-box">
19                 
20                 <h3>Morning Delights & Snack Staples</h3>
21                 <p>Start your day with our comforting breakfast classics or enjoy a quick snack.</p>
22             </div>
23             <div class="feature-box">
24                 
25                 <h3>Delicious Meals & Free Soup</h3>
26                 <p>Enjoy our fresh, flavorful lunch and dinner options with complimentary soup.</p>
27             </div>
28             <div class="feature-box">
29                 
30                 <h3>Refreshing Drinks & Beverages</h3>
31                 <p>From energizing coffees to refreshing smoothies, we've got something for you.</p>
32             </div>
33         </div>
34     </section>
35
36     <section class="best-seller">
37         <div class="heading">Our <span>Best Seller</span></div>
38         <div class="seller-box">
39             <div class="first-section">
40                 @foreach($bestSellers as $item)
41                     <div class="firstsection-box">
42                         
43                         <h3>{{ $item['name'] }}</h3>
44                         <div class="price">{{ $item['price'] }}</div>
45                         <div class="stars">
46                             @for($i = 0; $i < 5; $i++)
47                                 @if($i < $item['rating'])
48                                     <i class="fa-solid fa-star"></i>
49                                 @else
50                                     <i class="fa-regular fa-star"></i>
51                                 @endif
52                             @endfor
53                         </div>
54                         <a href="#" class="check-btn">Buy</a>
55                     </div>
56                 @endforeach
57             </div>
58         </div>
59     </section>
60     @endsection
```

- **Controller Logic:** The controller fetches a list of featured items (e.g., "best sellers") and assigns them to a \$bestSellers array. The username is passed as a parameter from the route, allowing personalized greetings.
- **Template Functionality:** The homepage.blade.php dynamically displays the greeting and iterates over the \$bestSellers array to showcase the products. This approach makes the page flexible and interactive, catering to individual users.

menu.blade.php

```
menu.blade.php X
E-commerce_Lab-6-main > resources > views > menu.blade.php
1  @extends('Components.Layout')
2
3  @section('title', 'Menu')
4
5  @section('content')
6      <main class="content-main">
7          <section class="menu">
8              <div class="menu-box">
9                  <div class="bfast">Breakfast</div>
10                 <div class="menu-a">
11                     @foreach($menuItems as $item)
12                         <div class="a-box">
13                             
14                             <h3>{{ $item['name'] }}</h3>
15                             <div class="price">{{ $item['price'] }}</div>
16                             <div class="stars">
17                                 @for($i = 0; $i < 5; $i++)
18                                     @if($i < $item['rating'])
19                                         <i class="fa-solid fa-star"></i>
20                                     @else
21                                         <i class="fa-regular fa-star"></i>
22                                     @endif
23                                 @endfor
24                             </div>
25                             <a href="#" class="check-btn">Buy</a>
26                         </div>
27                     @endforeach
28                 </div>
29                 <div class="bfast">Lunch/Dinner with free soup of the day</div>
30                 <div class="bfast">Steamed rice with buttered vegetables to go in:</div>
31                 <div class="menu-a">
32                     @foreach($menuItems as $item)
33                         <div class="a-box">
34                             
35                             <h3>{{ $item['name'] }}</h3>
36                             <div class="price">{{ $item['price'] }}</div>
37                             <div class="stars">
38                                 @for($i = 0; $i < 5; $i++)
39                                     @if($i < $item['rating'])
40                                         <i class="fa-solid fa-star"></i>
41                                     @else
42                                         <i class="fa-regular fa-star"></i>
43                                     @endif
44                                 @endfor
45                             </div>
46                             <a href="#" class="check-btn">Buy</a>
47                         </div>
48                     @endforeach
49                 </div>
50             </div>
51         </section>
52     </main>
53     @endsection
54
```

- **Explanation:** The menu page retrieves all menu items and dynamically renders them for display. The \$menuItems array is passed to the menu.blade.php, which loops through the data to generate content dynamically.
- **Dynamic Parameters:** Both homepage.blade.php and menu.blade.php utilize a dynamic username parameter. This ensures each user gets a personalized experience based on their input.

What I have Learned?

This project provided valuable insights into the use of Laravel for creating dynamic and personalized web applications. I learned how to implement dynamic routing effectively, allowing the integration of user-specific parameters such as usernames to enhance the overall user experience. The use of Blade templates was particularly enlightening, as it simplified the rendering of dynamic content while promoting reusable and modular design. Additionally, simulating database operations with arrays proved to be an efficient approach for testing and development, eliminating the need for a live database during the initial stages. Overall, this experience reinforced the importance of organized controller-view communication and modular code structures in building scalable and maintainable applications.