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BSIT 3-C

September 17, 2024

IT ELEC 1

WEB DEVELOPMENT

Submitted to
Prof.John Paul Azore

Part 1: Creating a Layout File

- *In the resources/views directory, create a new folder named "Components".*
- *Inside the "Components" folder, create a file named Layout.blade.php.*
- *Define the basic HTML structure in Layout.blade.php:*

Part 2: Creating Views

- *In the resources/views directory, create 3 new blade files.*
- *Each view should extend the layout file and include page-specific content.*

Part 3: Updating Routes

- *In routes/web.php, define routes to return the views:*

Part 4: Documentation (Individual)

- *Screenshots: Take screenshots of your Blade template files, routing configuration, and the rendered web pages.*
- *Explanations: Write a detailed explanation of your work, including:*
  - *The purpose of the layout file and how it is used.*
  - *How each view file extends the layout and inserts specific content.*
  - *The routing setup and how it serves the views.*
  - *Explain any challenges you faced and how you resolved them.*
  - *Explore the difference between {{$slot}} and @yield*

DOCUMENTATION

Added a new route for the layout route

```php
//Layout routes
Route::get(uri: '/Layout', action: function (): Factory|View {
    return view(view: '../components/Layout');
});
```

The route `Route::get('/Layout', function () { return view('../components/Layout'); });` sets up a link at `/Layout` to show a specific page. The path `'../components/Layout'` should be changed to `'components.Layout'` to find the correct file. This will display the `Layout.blade.php` file from the `resources/views/components` folder.

```
# Database configuration for SQLite
DB_CONNECTION=sqlite
DB_DATABASE=/Users/elainemaebertiz/Desktop/laravel/database/database.sqlite
```

This configuration sets Laravel to use SQLite as the database system. The `DB_DATABASE` path points to the SQLite database file located at `/Users/elainemaebertiz/Desktop/laravel/database/database.sqlite`. This tells Laravel where to find and use the SQLite database for storing and retrieving data.

Source code inside Layout file


```
Layout.blade.php U ✕
resources > views > components > 🐘 Layout.blade.php
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <link rel="stylesheet" href="{{ asset(path: 'css/styles.css') }}">
7       <title>Document</title>
8   </head>
9   <body>
10      <div class="wrapper">
11          <header>
12              <nav class="right-aligned-nav">
13                  <div class="nav-links">
14                      <a href="{{ url(path: 'homepage') }}" class="nav-button">HOME</a>
15                      <a href="{{ url(path: 'about') }}" class="nav-button">ABOUT US</a>
16                      <a href="{{ url(path: 'content') }}" class="nav-button">CONTENT</a>
17                      <a href="{{ url(path: 'contactus') }}" class="nav-button">CONTACT US</a>
18                      <a href="{{ url(path: 'Layout') }}" class="nav-button">ROOMS</a>
19                  </div>
20              </nav>
21          </header>
22
23          <div class="mainContainer">
24              <div id="header">
25                  <h1 class="Rooms">List of Room Available</h1>
26              </div>
27
28              <div class="innerContainer">
29                  @include(view: 'layout1')
30              </div>
31          </div>
32
33          @include(view: 'layout2')
34          @include(view: 'layout3')
35      </div>
36
37      <footer class="footer-rooms">
38          <div class="footer-content">
39              <div class="footer-section">
40                  <p>Our hotel offers a blend of modern amenities and classic elegance, ensuring a memorable stay for all our guests.</p>
41                  <p>Enjoy our spacious rooms, top-notch facilities, and exceptional service tailored to your needs. Whether you're here for business
42                  <p>Lucxaellin Hotel provides the perfect environment for relaxation and productivity.</p>
43              </div>
44
45              <div class="footer-section social-media">
46                  <h4>Follow Us</h4>
```

```
Layout.blade.php U ✕
resources > views > components > 🐘 Layout.blade.php
16                      <a href="{{ url(path: 'content') }}" class="nav-button">CONTENT</a>
17                      <a href="{{ url(path: 'contactus') }}" class="nav-button">CONTACT US</a>
18                      <a href="{{ url(path: 'Layout') }}" class="nav-button">ROOMS</a>
19                  </div>
20              </nav>
21          </header>
22
23          <div class="mainContainer">
24              <div id="header">
25                  <h1 class="Rooms">List of Room Available</h1>
26              </div>
27
28              <div class="innerContainer">
29                  @include(view: 'layout1')
30              </div>
31          </div>
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33          @include(view: 'layout2')
34          @include(view: 'layout3')
35      </div>
36
37      <footer class="footer-rooms">
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40                  <p>Our hotel offers a blend of modern amenities and classic elegance, ensuring a memorable stay for all our guests.</p>
41                  <p>Enjoy our spacious rooms, top-notch facilities, and exceptional service tailored to your needs. Whether you're here for business or leisure,</p>
42                  <p>Lucxaellin Hotel provides the perfect environment for relaxation and productivity.</p>
43              </div>
44
45              <div class="footer-section social-media">
46                  <h4>Follow Us</h4>
47                  <a href="https://facebook.com" target="_blank" class="social-icon">Facebook</a>
48                  <a href="https://twitter.com" target="_blank" class="social-icon">Twitter</a>
49                  <a href="https://instagram.com" target="_blank" class="social-icon">Instagram</a>
50                  <a href="https://linkedin.com" target="_blank" class="social-icon">LinkedIn</a>
51              </div>
52
53              <div class="footer-section">
54                  <br><p>&copy; 2024 Lucxaellin Hotel. All rights reserved.</p>
55              </div>
56          </div>
57      </footer>
58  </body>
59  </html>
60
```



```
<div class="wrapper">
    <header>
        <nav class="right-aligned-nav">
            <div class="nav-links">
                <a href="{{ url(path: 'homepage') }}" class="nav-button">HOME</a>
                <a href="{{ url(path: 'about') }}" class="nav-button">ABOUT US</a>
                <a href="{{ url(path: 'content') }}" class="nav-button">CONTENT</a>
                <a href="{{ url(path: 'contactus') }}" class="nav-button">CONTACT US</a>
                <a href="{{ url(path: 'Layout') }}" class="nav-button">ROOMS</a>
            </div>
        </nav>
    </header>
```

I added a new navigation bar called 'Rooms' which views `layout.blade.php`.


```
        <div class="innerContainer">
            @include(view: 'layout1')
        </div>
    </div>

    @include(view: 'layout2')
    @include(view: 'layout3')
```

- <div class="innerContainer">:
   - Holds content that is included from another Blade view.
   - @include('layout1'): Inserts the content of `layout1.blade.php` into this section for modular content reuse.

- @include('layout2') and @include('layout3'):
   - Include additional Blade view files (`layout2.blade.php` and `layout3.blade.php`) into the page.
   - Useful for adding shared components or sections across different pages.


```
<footer class="footer-rooms">
<div class="footer-content">
    <div class="footer-section">
        <p>Our hotel offers a blend of modern amenities and classic elegance, ensuring a memorable stay for all our guests.</p>
        <p>Enjoy our spacious rooms, top-notch facilities, and exceptional service tailored to your needs. Whether you're here for business or leisure,<
        <p>Lucxaellin Hotel provides the perfect environment for relaxation and productivity.</p>
    </div>

    <div class="footer-section social-media">
        <h4>Follow Us</h4>
        <a href="https://facebook.com" target="_blank" class="social-icon">Facebook</a>
        <a href="https://twitter.com" target="_blank" class="social-icon">Twitter</a>
        <a href="https://instagram.com" target="_blank" class="social-icon">Instagram</a>
        <a href="https://linkedin.com" target="_blank" class="social-icon">LinkedIn</a>
    </div>

    <div class="footer-section">
        <br><p>&copy; 2024 Lucxaellin Hotel. All rights reserved.</p>
    </div>
</div>
</footer>
```

Also added a footer for all the web pages.

Source code inside Layout1

A layout for displaying room statuses. It consists of four rows, each containing six rooms. The rooms are labeled with their status:

- "Vacant": Rooms that are available.
- "Occupied": Rooms that are currently in use.

Each room's status is shown with its label ("ROOM X ") and whether it is vacant or occupied. The layout is divided into four separate `div` elements representing each row.

```html
<div id="firstRow">
    <div class="vacant">ROOM 1<br>(Vacant)</div>
    <div class="vacant">ROOM 2<br>(Vacant)</div>
    <div class="occupied">ROOM 3<br>(Occupied)</div>
    <div class="vacant">ROOM 4<br>(Vacant)</div>
    <div class="occupied">ROOM 5<br>(Occupied)</div>
    <div class="occupied">ROOM 6<br>(Occupied)</div>
</div>

<div id="secondRow">
    <div class="occupied">ROOM 7<br>(Occupied)</div>
    <div class="vacant">ROOM 8<br>(Vacant)</div>
    <div class="occupied">ROOM 9<br>(Occupied)</div>
    <div class="occupied">ROOM 10<br>(Occupied)</div>
    <div class="vacant">ROOM 11<br>(Vacant)</div>
    <div class="occupied">ROOM 12<br>(Occupied)</div>
</div>

<div id="thirdRow">
    <div class="vacant">ROOM 13<br>(Vacant)</div>
    <div class="occupied">ROOM 14<br>(Occupied)</div>
    <div class="vacant">ROOM 15<br>(Vacant)</div>
    <div class="vacant">ROOM 16<br>(Vacant)</div>
    <div class="occupied">ROOM 17<br>(Occupied)</div>
    <div class="vacant">ROOM 18<br>(Vacant)</div>
</div>

<div id="fourthRow">
    <div class="occupied">ROOM 19<br>(Occupied)</div>
    <div class="vacant">ROOM 20<br>(Vacant)</div>
    <div class="vacant">ROOM 21<br>(Vacant)</div>
    <div class="occupied">ROOM 22<br>(Occupied)</div>
    <div class="occupied">ROOM 23<br>(Occupied)</div>
    <div class="vacant">ROOM 24<br>(Vacant)</div>
</div>

<div
```

Source code inside Layout2

Displays an image from the path `/images/ai.png`.

```html
<div class="helperContainer">
    <div id="mainContainer">
        <img src="/images/ai.png" alt="imgRobot">
    </div>
</div>
```

Source code inside Layout3

```html
<div class="messageContainer">
    <div id="mainContainer">
        <p>Hello! I am a helper bot, I am here to provide assistance!</p>
        <div class="inputContainer">
            <input type="text" id="userMessage" placeholder="Type your message...">
            <button id="sendMessage">Send</button>
        </div>
    </div>
</div>

<script>
    document.getElementById('sendMessage').addEventListener('click', function() {
        var userMessage = document.getElementById('userMessage');
        var message = userMessage.value;
        if (message.trim() !== '') {
            console.log('Message sent:', message);
            userMessage.value = '';
        }
    });

    document.getElementById('userMessage').addEventListener('keypress', function(e) {
        if (e.key === 'Enter') {
            document.getElementById('sendMessage').click();
        }
    });
</script>
```

- <div class="messageContainer">: Outer container for the message area.
- <div id="mainContainer">: Contains the message text and input elements.
- <p>: Displays a greeting message from the helper bot.
- <input type="text" id="userMessage" placeholder="Type your message…">: Text input for the user to type their message.
- <button id="sendMessage">Send</button>: Button to send the message.
- I put JavaScript for
  - Click Event: Logs the message to the console and clears the input when the "Send" button is clicked.
  - Enter Key Event: Sends the message when the Enter key is pressed.

Source code inside Layout1

A layout for displaying room statuses. It consists of four rows, each containing six rooms. The rooms are labeled with their status:

- "Vacant": Rooms that are available.
- "Occupied": Rooms that are currently in use.

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    <div class="vacant">ROOM 2<br>(Vacant)</div>
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    <div class="vacant">ROOM 4<br>(Vacant)</div>
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    <div class="occupied">ROOM 6<br>(Occupied)</div>
</div>

<div id="secondRow">
    <div class="occupied">ROOM 7<br>(Occupied)</div>
    <div class="vacant">ROOM 8<br>(Vacant)</div>
    <div class="occupied">ROOM 9<br>(Occupied)</div>
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    <div class="occupied">ROOM 23<br>(Occupied)</div>
    <div class="vacant">ROOM 24<br>(Vacant)</div>
</div>

<div
```

Source code inside Layout2

Displays an image from the path `/images/ai.png`.

```html
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```

Source code inside Layout3

```html
<div class="messageContainer">
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<script>
    document.getElementById('sendMessage').addEventListener('click', function() {
        var userMessage = document.getElementById('userMessage');
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        if (message.trim() !== '') {
            console.log('Message sent:', message);
            userMessage.value = '';
        }
    });

    document.getElementById('userMessage').addEventListener('keypress', function(e) {
        if (e.key === 'Enter') {
            document.getElementById('sendMessage').click();
        }
    });
</script>
```
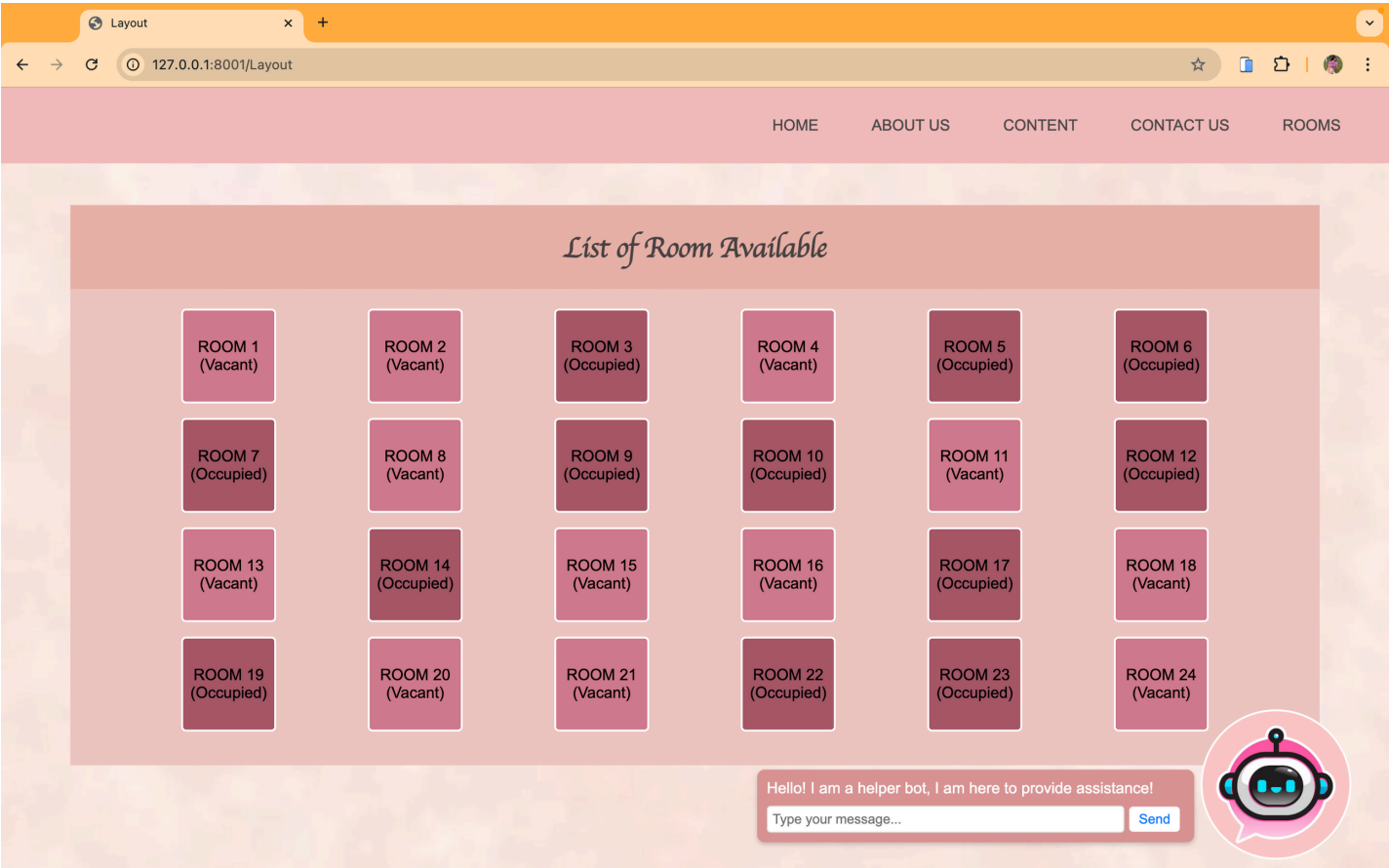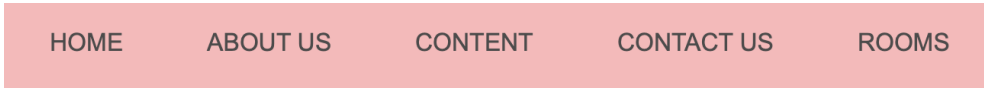
- **<div class="messageContainer">: Outer container for the message area.**
- **<div id="mainContainer">: Contains the message text and input elements.**
- **<p>: Displays a greeting message from the helper bot.**
- **<input type="text" id="userMessage" placeholder="Type your message…">: Text input for the user to type their message.**
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- **I put JavaScript for**
  - **Click Event: Logs the message to the console and clears the input when the "Send" button is clicked.**
  - **Enter Key Event: Sends the message when the Enter key is pressed.**
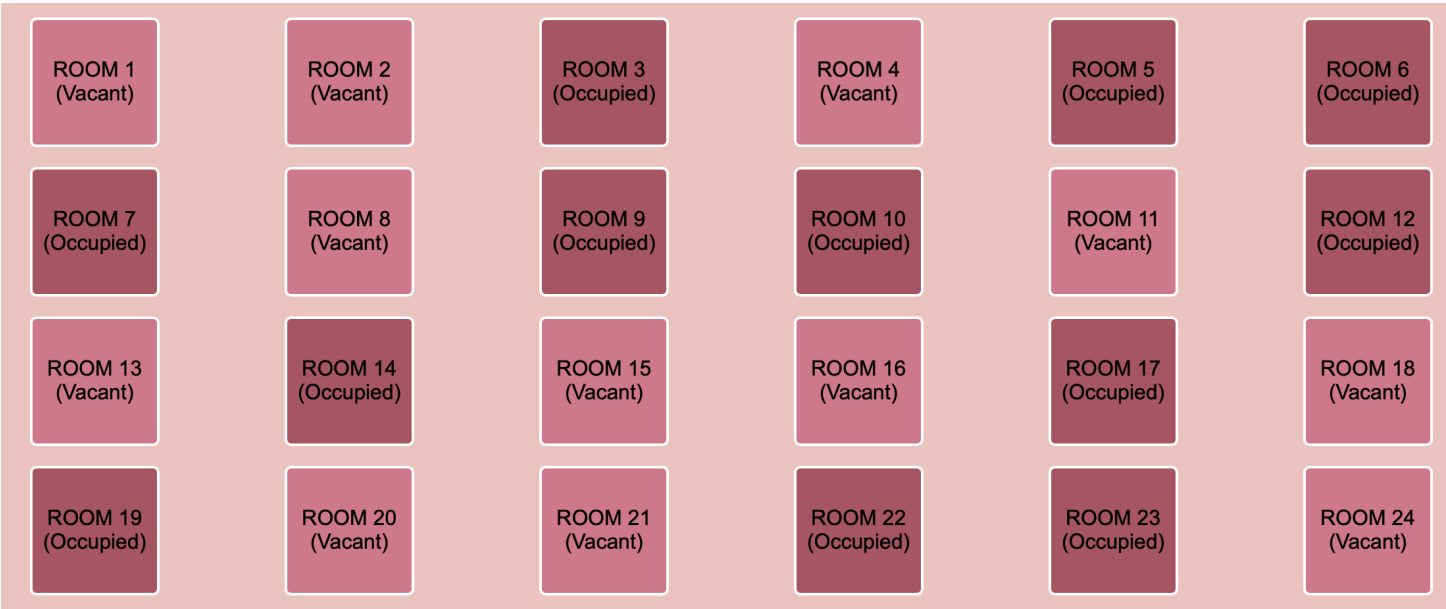
RESULT

Here is the Layout file

Here is the navigation with an added new navigation for 'Room' to display the Layout file.

Here is the Layout1 with the display of Rooms availability. Here you can see if the room is occupied or vacant.

Here is the Layout2 where it display the img of a AI.

Here is Layout3, where users can type in any messages or questions for the AI to answer. This serves as a help assistance feature for the webpage.

Hello! I am a helper bot, I am here to provide assistance!

Type your message...   Send

Here is the footer, which is visible on all webpages. It displays engaging offers from the hotel and includes links where users can follow the hotel.

Our hotel offers a blend of modern amenities and classic elegance, ensuring a memorable stay for all our guests.
Enjoy our spacious rooms, top-notch facilities, and exceptional service tailored to your needs. Whether you're here for business or leisure,
Lucxaellin Hotel provides the perfect environment for relaxation and productivity.

Follow Us

Facebook   Twitter   Instagram   LinkedIn

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