

Web Development Lab: Layout

The layout file is a master Blade template that provides a **common structure for the website’s pages**. It usually contains **elements** that are **consistent** across **multiple views**, such as the **header**, **footer**, and **navigation bar**. This approach helps maintain a **uniform look** and feel throughout the website and avoids repetitive code.

Each view file that extends the layout uses **@extends** to **inherit the structure** and **@section** to **insert specific content** into the placeholders defined in the layout file.

layout.blade.php

```
resources > views > Components > Layout.blade.php
1 <!DOCTYPE html>
2 <html lang="{{ str_replace(search: '_', replace: '-', subject: app()->getLocale()) }}">
3
4 <head>
5     <meta charset="UTF-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <meta name="csrf-token" content="{{ csrf_token() }}">
8     <title>{{ $title ?? 'Jet\'s Gaming Hub' }}</title>
9     <link href="{{ asset(path: 'css/app.css') }}" rel="stylesheet">
10     @stack('styles')
11 </head>
12
13 <body class="@yield(section: 'body-class')">
14 <header>
15     <div class="header-container">
16         <h1>Jet's Gaming Hub</h1>
17         <nav>
18             @if(session(key: 'username') && session(key: 'username') !== 'Guest')
19                 <span>Welcome, {{ session(key: 'username') }}</span>
20                 <a href="{{ url(path: '/logout') }}">Logout</a>
21             @elseif(!request()->is(patterns: '/'))
22                 <span>Welcome, Guest</span>
23             @endif
24             <a href="{{ url(path: '/') }}">Homepage</a>
25             <a href="{{ url(path: '/gallery') }}">Gallery</a>
26             <a href="{{ url(path: '/review') }}">Reviews</a>
27             <a href="{{ url(path: '/contact') }}">Contact</a>
28         </nav>
29     </div>
30 </header>
31
32 <main class="@yield(section: 'main-class')">
33     @yield(section: 'content')
34 </main>
35
36 <footer>
37     <div class="footer-container">
38         <p>&copy; 2024 Jet's Gaming Hub. All rights reserved.</p>
39     </div>
40 </footer>
41
42 @stack('scripts')
43 </body>
44 </html>
```

```
<meta name="csrf-token" content="{{ csrf_token() }}">
```

- Adds a CSRF (Cross-Site Request Forgery) token meta tag to help with form security. The token is generated by `csrf_token()`.

```
<title>{{ $title ?? 'Jet\'s Gaming Hub' }}</title>
```

- Sets the page title. If the `$title` variable is not provided, it defaults to "Jet's Gaming Hub".

```
<link href="{{ asset(path: 'css/app.css') }}" rel="stylesheet">@stack('styles')
```

- In this layout, `app.css` is included as the default stylesheet. The `@stack('styles')` directive enables child views to add their own styles, which will be rendered in addition to the default styles defined in `app.css`. This way, individual pages can be customized without modifying the default stylesheet.

```
<link href="{{ asset(path: 'css/app.css') }}" rel="stylesheet">@stack('styles')
```

- `App.css` is included as the default stylesheet. The `@stack('styles')` directive enables child views to add their own styles, which will be rendered in addition to the default styles defined in `app.css`. This way, individual pages can be customized without modifying the default stylesheet.

```
<body class="@yield(section: 'body-class')">
```

- Sets the class attribute of the `<body>` element. The `@yield('body-class')` directive allows child views to provide a class for the `<body>` element if needed.

```
@if(session(key: 'username') && session(key: 'username') !== 'Guest')
    <span>Welcome, {{ session(key: 'username') }}</span>
    <a href="{{ url(path: '/logout') }}">Logout</a>
@elseif(!request()->is(patterns: '/'))
    <span>Welcome, Guest</span>
@endif
```

- If a valid **username** is stored in the session and it's not "Guest", it displays a **welcome message** with the **username** and provides a **logout link**.

```
<main class="@yield(section: 'main-class')">
    @yield(section: 'content')
</main>
```

- Sets the class attribute of the `<main>` element. The `@yield(main-class')` directive allows child views to provide a class for the `<main>` element if needed.

```
@stack('scripts')
```

- Allows child views to push additional scripts into a stack that will be included before the closing `</body>` tag.

login.blade.php

[illegible]

```

46
47   <div class="show-container">
48     <input type="checkbox" id="show-password" onclick="togglePassword()"> Show Password
49   </div>
50 </div>
51
52 <button type="submit">Login</button>
53
54 <div class="link-container">
55   <p>or</p>
56   <a href="{{ url(path: 'user') }}" class="button-link">Continue as Guest</a>
57 </div>
58 </form>
59 </div>
60 </div>
61 @endsection
62
63 @push('scripts')
64   <script src="{{ asset(path: 'js/script.js') }}"></script>
65 @endpush

```

```
@extends(view: 'Components.Layout')
```

- Tells Laravel that this view should use the layout defined in **Components/Layout.blade.php**.

```
@php
    $title = 'Login';
@endphp
```

- Sets a variable **\$title** to **'Login'**, which is used in the layout to set the page title.

```
@push('styles')
  <link href="{ asset(path: 'css/login.css') }" rel="stylesheet">
@endpush
```

- Adds the CSS file `login.css` to the stack of styles. This file will be included in the final HTML output. It's used to add styles specific to this page.

```
@section(section: 'main-class', content: 'login')
```

- Sets a CSS class login for the <main> tag in the layout. This can be used to apply specific styles for this page.

```
@section(section: 'content')
```

- Opens the content section, which is intended to be inserted into a corresponding **@yield('content')** in the layout.

[illegible]

- The page-specific content.

@csrf

- Adds a CSRF token to a form to protect against cross-site request forgery.

```
@endsection
```

- Marks the end of the content block. Everything between **@section** and **@endsection** will be inserted into the layout where **@yield('content')** is placed.

```
@push('scripts')
  <script src="{{ asset(path: 'js/script.js') }}"></script>
@endpush
```

- Adds the script.js file to the stack of scripts. This file will be included in the final HTML output, which allows to include JavaScript functionality specific to this page.

register.blade.php

```
resources > views > register.blade.php
1  @extends('view: 'Components.Layout')
2
3  @php
4      $title = 'Register';
5  @endphp
6
7  @push('styles')
8      <link href="{{ asset(path: 'css/register.css') }}" rel="stylesheet">
9  @endpush
10
11 @section(section: 'main-class', content: 'register')
12
13 @section(section: 'content')
14     <div class="content-wrapper">
15         <div class="text-container">
16             <h1>Welcome to Jet's Gaming Hub</h1>
17             <p>Discover the latest and greatest in gaming!</p>
18
19             <div class="link-container">
20                 <p>Already have an account?</p>
21                 <a href="{{ url(path: '/') }}" class="button-link">Login here</a>
22             </div>
23         </div>
24
25         <div class="form-container">
26             <form action="{{ url(path: '/user') }}" method="POST">
27                 @csrf
28                 <h1>Register</h1>
29
30                 <div class="input-container">
31                     <div class="input-group">
32                         <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 448 512">
33                             <!--!Font Awesome Free 6.6.0 by @fontawesome - https://fontawesome.com/license/free Copyright 2024 Fonticons, Inc.-->
34                             <path fill="#B197FC" d="M224 256A128 128 0 1 0 256zm-45.7 48C79.8 384 383.8 0 482.3C0 498.7 13.3 512 29.7 5121388.6 0c16.4 0 29.7
35                         </svg>
36                         <input type="text" name="username" id="username" pattern="[A-Za-z]+" title="Only alphabetic characters are allowed" placeholder="Enter username" required>
37                     </div>
38
39                     <div class="input-group">
40                         <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 448 512">
41                             <!--!Font Awesome Free 6.6.0 by @fontawesome - https://fontawesome.com/license/free Copyright 2024 Fonticons, Inc.-->
42                             <path fill="#B197FC" d="M144 14410 48 160 0 0-48c0-44.2-35.8-80-80-80 35.8-80 80zM80 19210-48C80 64.5 144.5 0 224 0s144 64.5 144 14410 48 16 0c35.3 0
43                         </svg>
44                         <input type="password" name="password" id="password" placeholder="Enter password" required>
45                     </div>
46
47                     <div class="show-container">
48                         <input type="checkbox" id="show-password" onclick="togglePassword()"> Show Password
49                     </div>
50
51                     <div class="input-group">
52                         <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 448 512">
53                             <!--!Font Awesome Free 6.6.0 by @fontawesome - https://fontawesome.com/license/free Copyright 2024 Fonticons, Inc.-->
54                             <path fill="#B197FC" d="M144 14410 48 160 0 0-48c0-44.2-35.8-80-80-80 35.8-80 80zM80 19210-48C80 64.5 144.5 0 224 0s144 64.5 144 14410 48 16 0c35.3
55                         </svg>
56                         <input type="password" name="password" id="password" placeholder="Confirm password" required>
57                     </div>
58                 </div>
59
60                 <button type="submit">Register</button>
61
62                 <div class="link-container">
63                     <p>or</p>
64                     <a href="{{ url(path: '/user') }}" class="button-link">Continue as Guest</a>
65                 </div>
66             </form>
67         </div>
68     </div>
69 @endsection
70
71 @push('scripts')
72     <script src="{{ asset(path: 'js/script.js') }}"></script>
73 @endpush
```

****Other parts that are the same with those from login.blade.php will not be included to avoid redundancy.***

```
@php
    $title = 'Register';
@endphp
```

➤ Sets a variable **\$title** to **Register**, which is used in the layout to set the page title.

```
@push('styles')
    <link href="{{ asset(path: 'css/register.css') }}" rel="stylesheet">
@endpush
```

➤ Adds the CSS file **register.css** to the stack of styles. This file will be included in the final HTML output. It's used to add styles specific to this page.

```
@section(section: 'main-class', content: 'register')
```

➤ Sets a CSS class **register** for the **<main>** tag in the layout. This can be used to apply specific styles for this page.

➤ Page-specific content.

```
user.blade.php X
resources > views > user.blade.php
1  @extends('view: Components.Layout')
2
3  @php
4      $title = 'Welcome User';
5  @endphp
6
7  @section(section: 'body-class', content: 'homepage')
8
9  @section(section: 'content')
10     <h1>welcome, {{ $username }}</h1>
11     <p>Enjoy exploring the gaming hub!</p>
12     <button class="button" onclick="location.href='{{ url(path: '/gallery') }}'">Explore Gallery</button>
13 @endsection
```

- Sets a variable **\$title** to **Welcome User**, which is used in the layout to set the page title.

Page-specific content.

gallery.blade.php

```
resources > views > gallery.blade.php
1  @extends(view: 'Components.layout')
2
3  @php
4      $title = 'Gallery of Games';
5  @endphp
6
7  @section(section: 'body-class', content: 'font-sans antialiased dark:bg-black dark:text-white/50')
8
9  @section(section: 'main-class', content: 'main-content')
10
11 @section(section: 'content')
12     <div>
13         <div>
14             <h1>Gallery of Games</h1>
15             <p>Explore some very great set of games.</p>
16
17             <div class="game-gallery">
18                 <div class="game-item">
19                     
20                     <div>
21                         <h2>Grand Theft Auto V</h2>
22                         <p>
23                             Grand Theft Auto V is a 2013 action-adventure game developed by Rockstar North and published by
24                             Rockstar Games.
25                             It is the seventh main entry in the Grand Theft Auto series, following 2008's Grand Theft Auto
26                             IV, and the fifteenth instalment overall.
27                         </p>
28                         <p>
29                             Set within the fictional state of San Andreas, based on Southern California, the single-player
30                             story follows three protagonists-retired bank robber
31                             Michael De Santa (Ned Luke), street gangster Franklin Clinton (Shawn Fonteno), and drug dealer
32                             and gunrunner Trevor Philips (Steven Ogg), and their attempts
33                             to commit heists while under pressure from a corrupt government agency and powerful criminals.
34                             Players freely roam San Andreas's open world countryside and fictional city of Los Santos,
35                             based on Los Angeles.
36                         </p>
37                         <button onclick="window.location.href='{{ url(path: 'review') }}'">See review</button>
38                     </div>
39                 </div>
40
41                 <div class="game-item ">
42                     
43                     <div>
44                         <h2>Valorant</h2>
45                         <p>
46                             VALORANT is a free-to-play first-person tactical shooter video game being developed and
47                             published by Riot Games.
48                             It was announced on October 15, 2019 under the codename "Project A", until it was officially
49                             revealed as VALORANT on March 2, 2020. It was officially released on June 2nd, 2020 for PC.
50                             By the time VALORANT reached its first anniversary, the game had 14 million active monthly
51                             players and Riot announced the game would soon be coming to mobile platforms, with console
52                             platforms also being explored but not as high a priority.
53                             Of the two platforms however, it was console that arrived first with a limited beta starting on
54                             June 14, 2024.
55                         </p>
56                         <p>
57                             VALORANT takes place on a version of Earth in the near future following an event known as First
58                             Light. This event spans the entire globe, leading to big transformations to life, technology,
59                             and how governments operate.
60                             However, select people across the globe start to gain abilities stemming from this massive
61                             event. These gifted individuals are called Radiants.
62                             In response to First Light, a shadow organization founds the VALORANT Protocol, which pulls
63                             together agents from all over the world. These Agents consist of Radiants and other individuals
64                             equipped with Radiant technology.
65                             Due to the backstories of these characters, the VALORANT team features interesting dynamics as
66                             the individuals not only sometimes know each other, but they also come from a wide spectrum of
67                             backgrounds ranging from crime to the military.
68                         </p>
69                         <button onclick="window.location.href='{{ url(path: 'review') }}'">See review</button>
70                     </div>
71                 </div>
72
73                 <div class="game-item">
74                     
75                     <div>
76                         <h2>Resident Evil 4</h2>
77                         <p>
78                             Resident Evil 4 is a 2005 survival horror game developed and published by Capcom for the
79                             GameCube.
80                             Players control the special agent Leon S. Kennedy on a mission to rescue the US president's
81                             daughter, Ashley Graham, who has been kidnapped by a religious cult in rural Spain.
82                             Leon fights hordes of enemies infected by a mind-controlling parasite and reunites with the spy
83                             Ada Wong.
84                             In a departure from the fixed camera angles and slower gameplay of previous Resident Evil games,
85                             Resident Evil 4 features a dynamic camera system and action-oriented gameplay.
86                         </p>
87                         <button onclick="window.location.href='{{ url(path: '/review') }}'">See review</button>
88                     </div>
89                 </div>
90             </div>
91         </div>
92     @endsection
```

```
@php
    $title = 'Gallery of Games';
@endphp
```

- Sets a variable **\$title** to **Gallery of Games**, which is used in the layout to set the page title.

- Does not have a link for the stylesheet, which means that the default stylesheet (**app.css**) is used.

```
@section(section: 'main-class', content: 'main-content')
```

- Sets a CSS class **main-content** for the `<main>` tag in the layout. This can be used to apply specific styles for this page.

```
<h1>Welcome, {{ $username }}</h1>
<p>Enjoy exploring the gaming hub!</p>
<button class="button" onclick="location.href='{{ url(path: '/gallery') }}'">Explore Gallery</button>
```

- Page-specific content.

```
@section(section: 'body-class', content: 'font-sans antialiased dark:bg-black dark:text-white/50')
```

- Sets the class attribute of the `<body>` element. The **@yield('body-class')** directive allows child views to provide a class for the `<body>` element.

review.blade.php

```
resources > views > review.blade.php
1  @extends('view: Components.Layout')
2
3  @php
4      $title = 'Game Reviews';
5  @endphp
6
7  @section(section: 'main-class', content: 'main-content')
8
9  @section(section: 'content')
10     <div>
11         <div>
12             <h1>Game Reviews</h1>
13             <p>See my reviews on some great games.</p>
14
15             <div class="game-gallery">
16                 <div class="game-item">
17                     
18                     <div>
19                         <h2>Grand Theft Auto V</h2>
20                     </div>
21                 </div>
22             </div>
23         </div>
24     </div>
```



```
20 <p>
21     As a fan of gaming, I think that it would be difficult to have not heard of the Grand Theft Auto
22     Series.
23     The franchise has many games under it's belt, and while controversial, it still remains the
24     modern go to game for the majority of the gaming community.
25     The latest in the franchise, Grand Theft Auto V, is Rockstar Games love letter to all the fans
26     of the franchise.
27     The game is groundbreaking in its innovation and was ahead of its time.
28     Due to this, the game had an immense popularity leading up to and on its release day.
29     Does it live up to the hype? Lets find out.
30 </p>
31 <p>
32     Personally, I am a huge fan of open-world games and GTA V did not disappoint.
33     The game is very amazing graphically and gameplay wise.
34     The game has many things for the player to do which makes its replay value higher.
35     Add to that the amazing story and cast of characters just makes the game rich in development.
36 </p>
37 </div>
38 </div>
39
40 <div class="game-item">
41     
42     <div>
43         <h2>Valorant</h2>
44         <p>
45             I am a huge fan of first-person shooter games, dating back all the way to the Left 4 Dead and
46             even Half-Life games.
47             Valorant was a breath of fresh air for me because of its unique gameplay.
48             Unlike its counterparts like Counter Strike and Call of Duty, Valorant has unique abilities and
49             agents.
50             It is similar to Overwatch but more tactical shooter an less power dominated games.
51             Valorant is fun and challenging for new players and veterans of the game.
52             There is much to learn about the system but once you do I can guarantee that you are gonna enjoy
53             the game.
54             The game is more enjoyable with friends so that the fun can be limitless.
55             The bad sides of this game are present, like cheaters, toxic players and more but that doesn't
56             outweigh all the good that is does.
57         </p>
58     </div>
59 </div>
60
61 <div class="game-item">
62     
63     <div>
64         <h2>Resident Evil 4</h2>
65         <p>
66             The resident evil games have become one of my favorite game series lately.
67             Although, I have only played the remake versions of these games.
68             The one game where I played both original and remake though is Resident Evil 4 and I must say
69             that the original game might be considered a masterpiece.
70             The game is very enjoyable and its story is very good.
71             The cast of characters also add depth to this game as to not make it generic.
72             The lead character Leon S. Kennedy has charm and a cool personality so scenes with him are never
73             boring.
74             The set pieces in this game are fantastic from a village, castle and a island you will always be
75             amazed at the environment of this game.
76             That says a lot considering this game came out so long ago.
77             Overall, this game takes my excitement and keeps going until the end where you can appreciate
78             the game even more.
79         </p>
80     </div>
81 </div>
82 </div>
83 </div>
84 </div>
85 @endsection
```

```
@php
    $title = 'Game Reviews';
@endphp
```

➤ Sets a variable **\$title** to **Game Reviews**, which is used in the layout to set the page title.

➤ Everything between **@section** and **@endsection** is the page-specific content that will be inserted into the corresponding **@yield** section in the layout.

contact.blade.php

```
contact.blade.php X
resources > views > contact.blade.php
1 @extends(view: 'Components.Layout')
2
3 @php
4     $title = 'Contact Us';
5 @endphp
6
7 @push('styles')
8     <link href="{{ asset(path: 'css/contact.css') }}" rel="stylesheet">
9 @endpush
10
11 @section(section: 'body-class', content: 'contact')
12
```

```

13 @section(section: 'content')
14   <div class="min-h-screen flex items-center justify-center bg-gradient-to-b from-transparent via-white to-white dark:via-zinc-900 dark:to-zinc-900">
15     <div class="form-container">
16       <h1>Contact Us</h1>
17       <form action="">
18         <div class="form-group">
19           <label for="name" class="form-label">Name:</label>
20           <input type="text" name="name" id="name" class="form-input" required>
21         </div>
22         <div class="form-group">
23           <label for="email" class="form-label">Email Address:</label>
24           <input type="email" name="email" id="email" class="form-input" required>
25           <p id="emailHelp" class="form-text">We'll never share your email with anyone else.</p>
26         </div>
27         <div class="form-group">
28           <label for="message" class="form-label">Message:</label>
29           <textarea name="message" id="message" class="textarea" required></textarea>
30         </div>
31         <div class="form-actions">
32           <button type="submit" class="form-button">Submit</button>
33         </div>
34       </form>
35     </div>
36   </div>
37 </div>
38 @endsection

```

```

@php
    $title = 'Contact Us';
@endphp

```

- Sets a variable **\$title** to **Contact Us**, which is used in the layout to set the page title.

```

@push('styles')
    <link href="{{ asset(path: 'css/contact.css') }}" rel="stylesheet">
@endpush

```

- Adds the CSS file **contact.css** to the stack of styles. This file will be included in the final HTML output. It's used to add styles specific to this page.

```
@section(section: 'body-class', content: 'contact')
```

- Sets a CSS class **contact** for the **<body>** tag in the layout. This can be used to apply specific styles for this page.

```

<div class="min-h-screen flex items-center justify-center bg-gradient-to-b from-transparent via-white to-white dark:via-zinc-900 dark:to-zinc-900">
  <div class="form-container">
    <h1>Contact Us</h1>
    <form action="">
      <div class="form-group">
        <label for="name" class="form-label">Name:</label>
        <input type="text" name="name" id="name" class="form-input" required>
      </div>
      <div class="form-group">
        <label for="email" class="form-label">Email Address:</label>
        <input type="email" name="email" id="email" class="form-input" required>
        <p id="emailHelp" class="form-text">We'll never share your email with anyone else.</p>
      </div>
      <div class="form-group">
        <label for="message" class="form-label">Message:</label>
        <textarea name="message" id="message" class="textarea" required></textarea>
      </div>
      <div class="form-actions">
        <button type="submit" class="form-button">Submit</button>
      </div>
    </form>
  </div>
</div>

```

- Page-specific content.

Routing Setup

web.php

```
web.php X
utes > web.php
1  <?php|
2
3  use Illuminate\Support\Facades\Route;
4  use Illuminate\Support\Facades\Session;
5
6  // Route to display the login page
7  Route::get('/', function (): mixed {
8      if (Session::has('username') && Session::get('username') !== 'Guest')
9          return redirect('/user');
10     }
11     return view('login');
12 });
13
14 // Route to display the registration page
15 Route::get('/register', function (): mixed {
16     return view('register');
17 });
18
19 // Route to display the gallery page
20 Route::get('/gallery', function (): mixed {
21     return view('gallery');
22 });
23
24 // Route to display the review page
25 Route::get('/review', function (): mixed {
26     return view('review');
27 });
28
29 // Route to display the contact page
30 Route::get('/contact', function (): mixed {
31     return view('contact');
32 });
33
34 // Route to handle user login or continue as guest
35 Route::get(uri: '/user', action: function (): Factory|View {
36     // Get the username from the request or default to 'Guest'
37     $username = request()->input(key: 'username', default: 'Guest');
38
39     // Validate username to ensure it only contains alphabetic characters
40     if (!preg_match(pattern: '/^[A-Za-z]+$/', subject: $username)) {
41         $username = 'Guest';
42     }
43
44     // Store the username in session
45     Session::put(key: 'username', value: $username);
46
47     // Return the user view with the username
48     return view(view: 'user', data: ['username' => $username]);
49 });
50
51 // Route to handle user login or registration submission
52 Route::post(uri: '/user', action: function (): Factory|View {
53     // Get the username from the request or default to 'Guest'
54     $username = request()->input(key: 'username', default: 'Guest');
55
56     // Validate username to ensure it only contains alphabetic characters
57     if (!preg_match(pattern: '/^[A-Za-z]+$/', subject: $username)) {
58         $username = 'Guest';
59     }
60
61     // Store the username in session
62     Session::put(key: 'username', value: $username);
63
64     // Return the user view with the username
65     return view(view: 'user', data: ['username' => $username]);
66 });
67
68 // Route to handle user logout
69 Route::get(uri: '/logout', action: function (): Redirector|RedirectResponse {
70     // Clear the username from session
71     Session::forget(keys: 'username');
72
73     // Redirect to the homepage or login page
74     return redirect(to: '/');
75 });
76
```

```
Route::get(uri: '/', action: function (): Factory|Redirector|RedirectR {
    if (Session::has(key: 'username') && Session::get(key: 'username') !== 'Guest') {
        return redirect(to: '/user');
    }
    return view(view: 'login');
});
```

- This route listens for **GET** requests to the **homepage (/)**.
- It first checks if the session **has a username** stored and if the username is **not 'Guest'**. If these conditions are met, the user is redirected to the **/user** page.
- If there is **no valid username** in the session or the user is **'Guest'**, the login view (**login.blade.php**) is returned.

```
// Route to display the registration page
Route::get(uri: '/register', action: function (): Factory|View {
    return view(view: 'register');
});
```

- This route listens for **GET** requests to the **/register** path and returns the registration view (**register.blade.php**).

```
Route::get(uri: '/gallery', action: function (): Factory|View {
    return view(view: 'gallery');
});
```

- This route listens for **GET** requests to the **/gallery** path and returns the gallery view (**gallery.blade.php**).

```
Route::get(uri: '/review', action: function (): Factory|View {
    return view(view: 'review');
});
```

- This route listens for **GET** requests to the **/review** path and returns the review view (**review.blade.php**).

```
Route::get(uri: '/contact', action: function (): Factory|View {
    return view(view: 'contact');
});
```

- This route listens for **GET** requests to the **/contact** path and returns the contact view (**contact.blade.php**).

```
Route::get(uri: '/user', action: function (): Factory|View {
    // Get the username from the request or default to 'Guest'
    $username = request()->input(key: 'username', default: 'Guest');

    // Validate username to ensure it only contains alphabetic characters
    if (!preg_match(pattern: '/^[A-Za-z]+$/', subject: $username)) {
        $username = 'Guest';
    }

    // Store the username in session
    Session::put(key: 'username', value: $username);

    // Return the user view with the username
    return view(view: 'user', data: ['username' => $username]);
});
```

- This route listens for **GET** requests to the **/user** path.
- It checks if a **username** is passed as a query parameter (**?username=...**). If **none** is provided, it defaults to **'Guest'**.
- It **validates** the username using a regular expression (**/^[A-Za-z]+\$/'**) to ensure it contains only alphabetic characters. If the validation **fails**, the username is set to **'Guest'**.
- The **username** is stored in the session.
- The view (**user.blade.php**) is returned, with the **username passed to the view**.

```
Route::post(uri: '/user', action: function (): Factory|View {
    // Get the username from the request or default to 'Guest'
    $username = request()->input(key: 'username', default: 'Guest');

    // Validate username to ensure it only contains alphabetic characters
    if (!preg_match(pattern: '/^[A-Za-z]+$/', subject: $username)) {
        $username = 'Guest';
    }

    // Store the username in session
    Session::put(key: 'username', value: $username);

    // Return the user view with the username
    return view(view: 'user', data: ['username' => $username]);
});
```

- This route listens for **POST** requests to the **/user** path, either from the login/registration form.
- The logic is similar to the previous route: it **gets the username** from the form, **validates** it to ensure it's **alphabetic**, **defaults** to **'Guest'** if **invalid**, **stores** it in the **session**, and then **renders** the user **view** with the **username**.

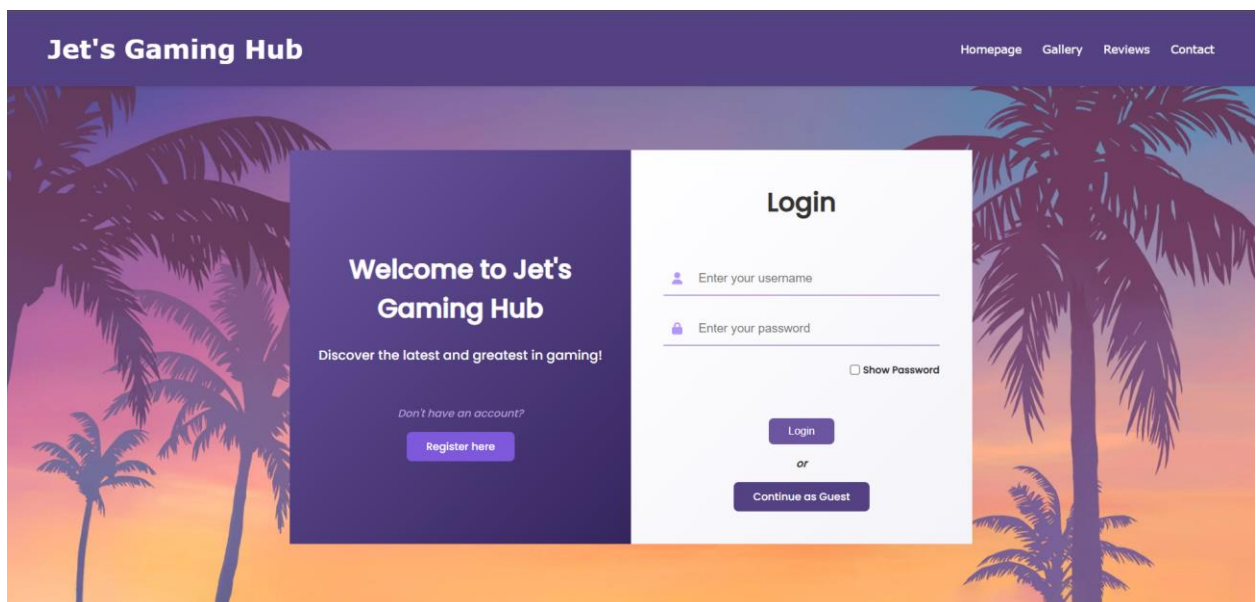
```
Route::get(uri: '/logout', action: function (): Redirector|RedirectResponse {
    // Clear the username from session
    Session::forget(keys: 'username');

    // Redirect to the homepage or login page
    return redirect(to: '/');
});
```

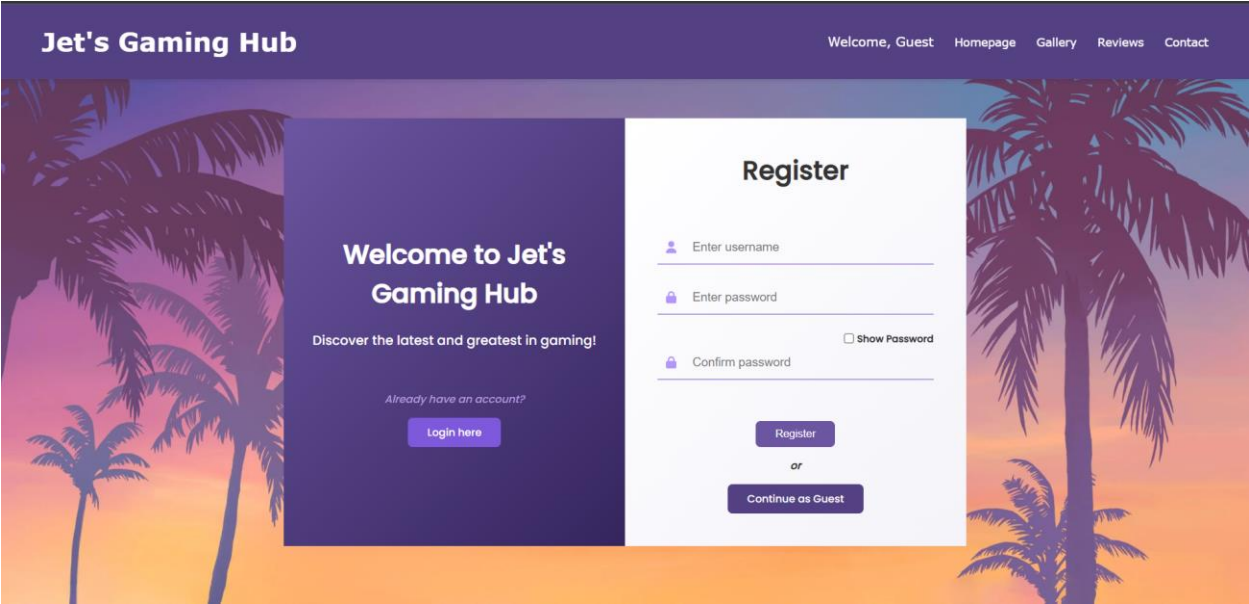
- This route listens for **GET** requests to **/logout**.
- This clears the session's **username** and redirects to the **homepage**.

Rendered Web Pages

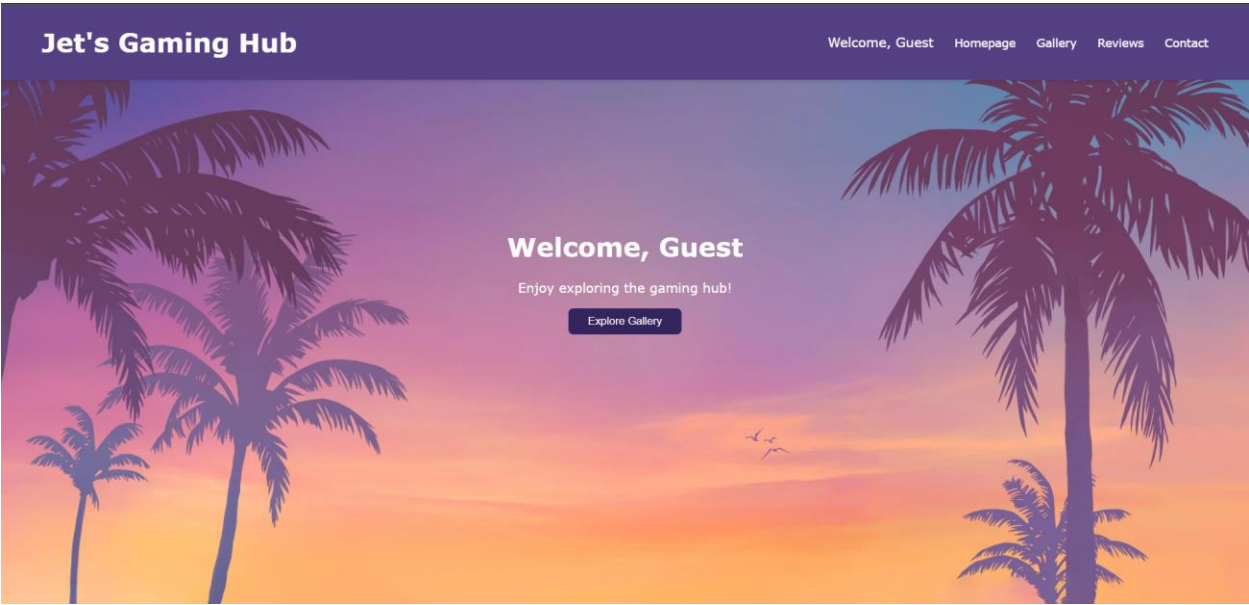
Login Page



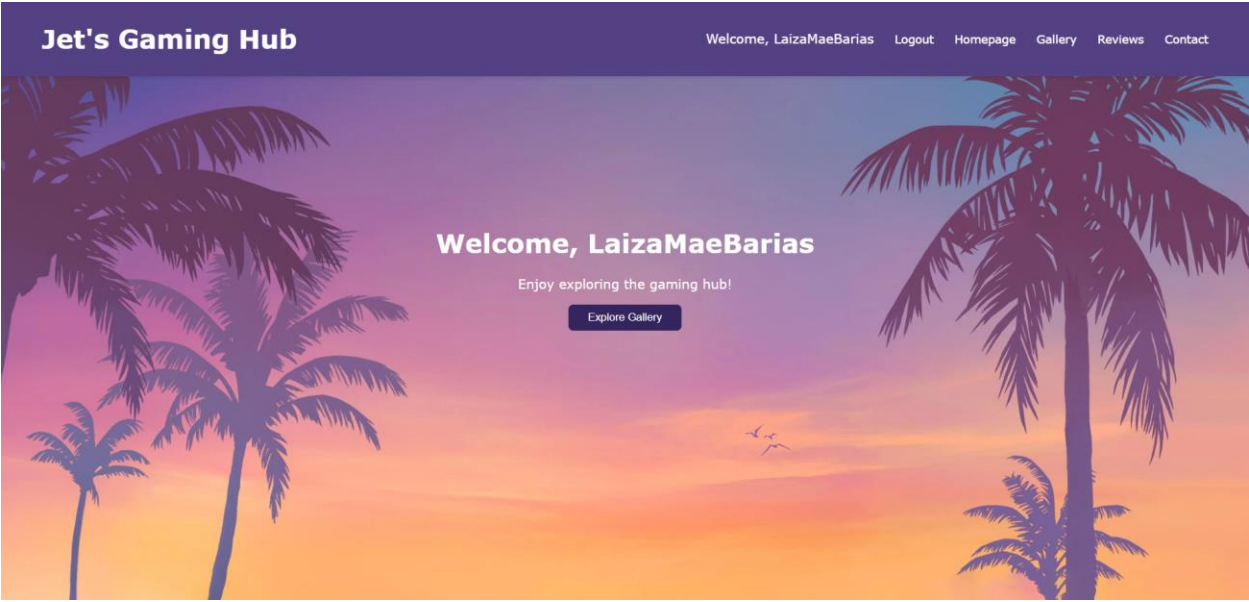
Register Page



User Page (as Guest)



User Page (with Username)





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Gallery of Games

Explore some very great set of games.





Grand Theft Auto V

Grand Theft Auto V is a 2013 action-adventure game developed by Rockstar North and published by Rockstar Games. It is the seventh main entry in the Grand Theft Auto series, following 2008's Grand Theft Auto IV, and the fifteenth instalment overall.

Set within the fictional state of San Andreas, based on Southern California, the single-player story follows three protagonists—retired bank robber Michael De Santa (Ned Luke), street gangster Franklin Clinton (Shawn Fonteno), and drug dealer and gunrunner Trevor Philips (Steven Ogg), and their attempts to commit heists while under pressure from a corrupt government agency and powerful criminals. Players freely roam San Andreas's open world countryside and fictional city of Los Santos, based on Los Angeles.

See review




Valorant

VALORANT is a free-to-play first-person tactical shooter video game being developed and published by Riot Games. It was announced on October 15, 2019 under the codename "Project A", until it was officially revealed as VALORANT on March 2, 2020. It was officially released on June 2nd, 2020 for PC. By the time VALORANT reached its first anniversary, the game had 14 million active monthly players and Riot announced the game would soon be coming to mobile platforms, with console platforms also being explored but not as high a priority. Of the two platforms however, it was console that arrived first with a limited beta starting on June 14, 2024.

VALORANT takes place on a version of Earth in the near future following an event known as First Light. This event spans the entire globe, leading to big transformations to life, technology, and how governments operate. However, select people across the globe start to gain abilities stemming from this massive event. These gifted individuals are called Radiants. In response to First Light, a shadow organization founds the VALORANT Protocol, which pulls together agents from all over the world. These Agents consist of Radiants and other individuals equipped with Radiant technology. Due to the backstories of these characters, the VALORANT team features interesting dynamics as the individuals not only sometimes know each other, but they also come from a wide spectrum of backgrounds ranging from crime to the military.

See review



Resident Evil 4

Resident Evil 4 is a 2005 survival horror game developed and published by Capcom for the GameCube. Players control the special agent Leon S. Kennedy on a mission to rescue the US president's daughter, Ashley Graham, who has been kidnapped by a religious cult in rural Spain. Leon fights hordes of enemies infected by a mind-controlling parasite and reunites with the spy Ada Wong. In a departure from the fixed camera angles and slower gameplay of previous Resident Evil games, Resident Evil 4 features a dynamic camera system and action-oriented gameplay.

See review

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Game Reviews

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Grand Theft Auto V

As a fan of gaming, I think that it would be difficult to have not heard of the Grand Theft Auto Series. The franchise has many games under it's belt, and while controversial, it still remains the modern go to game for the majority of the gaming community. The latest in the franchise, Grand Theft Auto V, is Rockstar Games love letter to all the fans of the franchise. The game is groundbreaking in its innovation and was ahead of its time. Due to this, the game had an immense popularity leading up to and on its release day. Does it live up to the hype? Lets find out.

Personally, I am a huge fan of open-world games and GTA V did not disappoint. The game is very amazing graphically and gameplay wise. The game has many things for the player to do which makes its replay value higher. Add to that the amazing story and cast of characters just makes the game rich in development.



Valorant

I am a huge fan of first-person shooter games, dating back all the way to the Left 4 Dead and even Half-Life games. Valorant was a breath of fresh air for me because of its unique gameplay. Unlike its counterparts like Counter Strike and Call of Duty, Valorant has unique abilities and agents. It is similar to Overwatch but more tactical shooter an less power dominated games. Valorant is fun and challenging for new players and veterans of the game. There is much to learn about the system but once you do I can guarantee that you are gonna enjoy the game. The game is more enjoyable with friends so that the fun can be limitless. The bad sides of this game are present, like cheaters, toxic players and more but that doesn't outweigh all the good that is does.

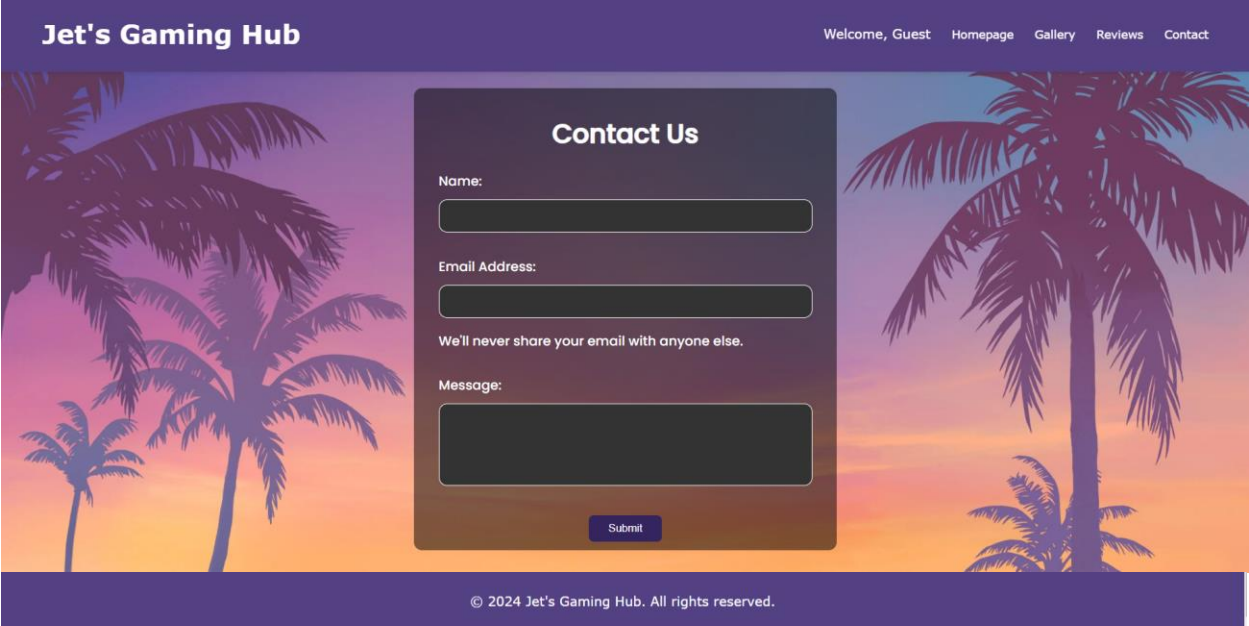


Resident Evil 4

The resident evil games have become one of my favorite game series lately. Although, I have only played the remake versions of these games. The one game where I played both original and remake though is Resident Evil 4 and I must say that the original game might be considered a masterpiece. The game is very enjoyable and its story is very good. The cast of characters also add depth to this game as to not make it generic. The lead character Leon S. Kennedy has charm and a cool personality so scenes with him are never boring. The set pieces in this game are fantastic from a village, castle and a island you will always be amazed at the environment of this game. That says a lot considering this game came out so long ago. Overall, this game takes my excitement and keeps going until the end where you can appreciate the game even more.

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Contact Us Page



Challenges Faced

- **Css Conflict**
 - I encountered a conflict between the styles defined in app.css and those in contact.css. Although I separated the styles for the contact.blade.php into its own contact.css file, I reused some of the styles from app.css and made modifications in contact.css. This caused layout issues when the contact.blade.php was loaded, making the page look messy.
 - To resolve the conflict, I removed the duplicate styles from contact.css and created new classes specifically for the modified styles in contact.css. This ensured the changes aligned properly with the overall layout while avoiding conflict with the global styles from app.css.
- **<main> Element Class**
 - Some views required the <main> element to have a class, but in the layout file, it was only defined as <main>.
 - To resolve this issue, I added **class="@yield('main-class')"** to the layout file, allowing each view to specify its own class for the <main> element when needed.
- **Data in the URL**
 - With the **GET** request, the **data** from each input field in the form is **added to the URL** as query parameters. It is **not suitable for login and registration**.
 - To resolve this, I changed the method to **POST** and added a **new route that responds to HTTP POST requests**. With this, **data is not shown in the URL**.

Difference Between {{ \$slot }} and @yield

- **{{ \$slot }}**: Used within Blade **components** and captures content passed between component tags.
- **@yield**: Used within Blade **layouts** to define a section where child views will inject content.

{{ \$slot }} is specific to **Blade components**, while **@yield** is used in **layouts and child views**. **@yield** requires **@section** in child views to define what content should be placed, whereas **{{ \$slot }}** **directly receives content** passed when rendering the component.