

BuildForGehu'25 Proposal

Mythical UI Library

By

TEAM

tHE mYthiCal coDeRs

Team Members:

Paras Mehta (npm Package Deployment and Library Building)

Email: parasmehta684@gmail.com

Yash Kirola (Demo Site and Library Building)

Email: yashkirola12@gmail.com

Gaurav Singh (Site Deployment and Library Building)

Email: gaurav133133@gmail.com

Problem Statement

The modern UI libraries like Bootstrap and Tailwind have transformed the frontend development but with some limitations.

Limitations with the current popular solutions (e.g., Bootstrap, Tailwind) :

1. Bloated CSS Without Cleanup:

If you don't remove unused styles (especially in Tailwind), your CSS file can get unnecessarily big and slow down your site.

2. Accessibility Isn't Guaranteed:

Both frameworks don't handle accessibility for you. You'll still need to add things like ARIA labels and keyboard support manually.

3. Not Always Design-Tool Friendly:

Turning Figma designs into code can feel clunky. Sometimes, using plain CSS gives more control to match designs exactly.

What gap is Mythical UI addressing?

Mythical UI library helps with:

- Offers customizable components out of the box.
- Prioritizes accessibility and performance from the root level.
- Must be suitable for beginners as well as developers and who want to build quick and clean designs.
- Supports interaction without requiring heavy tooling or JavaScript frameworks.

Proposed Solution

Construct a groundbreaking CSS framework from the ground up—one that empowers developers to craft unique, responsive, and accessible user interfaces. Your project should redefine what a UI library can be, balancing visual sophistication with functional precision.

Core Objectives

- Design a fully responsive 12-column grid system that adapts seamlessly across all devices.
- Develop a comprehensive suite of utility classes for spacing, typography, flex layouts, and alignment.
- Create a cohesive design system including a defined color palette, spacing scale, and typography guidelines.
- Use semantic class names to ensure clarity and ease of use for developers integrating your system.
- Showcase your framework through a live demo site that highlights its versatility and performance.

Bonus & Additional Features

- Integrate a dark mode variant to improve accessibility in low-light environments.
- Build reusable, modular components that can be deployed in various projects.
- Develop clear, concise documentation that explains your design choices and usage instructions.

System Architecture

Flow of MYTHICALUI library:



Reusability & Documentation

MythicalUI promotes reusability by offering modular components and handy utility classes.

- **Modular Design:** Every component is individually styled, so developers can pick and use only what they need—no unnecessary clutter.
- **Utility Classes:** With helpful classes like flex-row, space-between, and p-2, building layouts becomes quick and efficient, all without having to write extra custom CSS.

We built our custom UI framework with one goal in mind—making life easier for developers while keeping things flexible and clean.

- **Dark Mode:** Whether you're building for day or night, the built-in dark theme makes sure everything looks great. Switching between light and dark modes is smooth and hassle-free.
- **Reusable Components:** Every component is designed to be modular, so you can easily reuse them across different projects without having to start from scratch.
- **Developer Docs:** We've put effort into keeping the documentation simple and clear, so you can dive right in, understand how things work, and build faster.

GitHub Repo and Code Snippets

- GitHub Repo link: <https://github.com/gauravsinghshah/Mythical-UI>
- Code Snippets:


```
MythicalUI > _grid.scss > .container
1  @use 'variables';
2  @use 'functions';
3  @use 'base';
4  @use 'utilities';
5  @use 'breakpoints';
6
7  $grid-columns: 12;
8  $grid-gaps: (
9    "0": 0,
10   "1": 10px,
11   "2": 20px,
12   "3": 30px,
13 );
14 $layout-values: flex-start, flex-end, center, space-between, space-around;
15
```

```
MythicalUI > _variables.scss > ...
1  // theme colors
2  $primary: #326dee !default;
3  $secondary: #1ac886 !default;
4  $error: #d32752 !default;
5  $info: #f6c31c !default;
6
7  // color palette
8  $colors: (
9    "primary": $primary,
10   "secondary": $secondary,
11   "error": $error,
12   "info": $info,
13   "blue": #1919e6,
14   "red": #e61919,
15   "yellow": #e6e619,
16   "green": #19e635,
17   "orange": #ffa600,
18   "purple": #9900ff,
19   "gray": #808080,
20   "black": black,
21   "white": white,
22   "success": #10b981,
23   "danger": #ef4444,
24   "warning": #f59e0b
25 ) !default;
```

Demo Site

➤ **Demo Site Link:** <http://mythicalui.vercel.app>

MythicalUI

[Home](#) [Components](#) [Utilities](#) [Layout](#) 



The lightweight, utility-first CSS framework for rapid and elegant web development.

"MythicalUI is a powerful, extensible, and modern frontend framework. Build sleek, responsive interfaces with our utility-first classes, modular components, and Sass-powered customization."

Install via package manager

Terminal

```
npm i mythicalui
```

Import mythicalui

```
<link rel="stylesheet" href="node_modules/mythui/css/index.css" />
```

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 [GitHub](#)

UI Components

Cards

Used for containing content and actions about a single subject.

This is a title

This is card body [Learn more](#)

```
<div class="card">
  <h1 class="card-title">This is a title</h1>
  <p class="card-body">
    This is card body
    <a href="#">Learn more</a>
  </p>
</div>
```

Buttons

Use buttons to trigger actions across your UI.

[Default](#)[Primary](#)[Secondary](#)[Error](#)[Info](#)[Purple Outline](#)[Orange Outline](#)[Complement Purple](#)[Complement Primary](#)

```
<a href="#" class="btn">Default</a>
<a href="#" class="btn-primary text-white">Primary</a>
<a href="#" class="btn-secondary text-white">Secondary</a>
<a href="#" class="btn-error text-white">Error</a>
<a href="#" class="btn-info">Info</a>
<a href="#" class="btn-outlined-purple text-purple text-hover-white">Purple Outline</a>
<a href="#" class="btn-outlined-orange text-orange text-hover-white">Orange Outline</a>
<a href="#" class="btn-complement-purple">Complement Purple</a>
<a href="#" class="btn-complement-primary">Complement Primary</a>
```


Grid System

Create responsive layouts using `row`, `col-*` utility classes. Use `gap-*` for spacing and `justify-*` to align content.

Hello, ninjas

Responsive card using grid classes.

Responsive Layout

Try resizing the screen!

Reusable

Easily create column-based designs.

```
<div class="row gap-2 justify-center">
  <div>
    <div class="card">
      <h3 class="card-title">Hello, ninjas</h3>
      <p class="card-body">Responsive card using grid classes.</p>
    </div>
  </div>
  <div>
    <div class="card">
      <h3 class="card-title">Responsive Layout</h3>
      <p class="card-body">Try resizing the screen!</p>
    </div>
  </div>
  <div>
    <div class="card">
      <h3 class="card-title">Reusable</h3>
      <p class="card-body">Easily create column-based designs.</p>
    </div>
  </div>
</div>
```

Utilities

Background Colors

Use `bg-*` utility classes to set background color.

Orange

Purple

Blue

Red

Yellow

```
<div class="bg-orange p-2 text-white">Orange</div>
<div class="bg-purple p-2 text-white">Purple</div>
<div class="bg-teal p-2 text-white">Blue</div>
<div class="bg-teal p-2 text-white">Red</div>
<div class="bg-teal p-2 text-white">Yellow</div>
```

References / Research / Early Work

1. **SASS:** <https://sass-lang.com/>
2. **CSS:** <https://developer.mozilla.org/en-US/docs/Web/CSS>
3. **CSS Tricks:** <https://css-tricks.com/snippets/css/complete-guide-grid/>
4. [Youtube.com](https://www.youtube.com/)