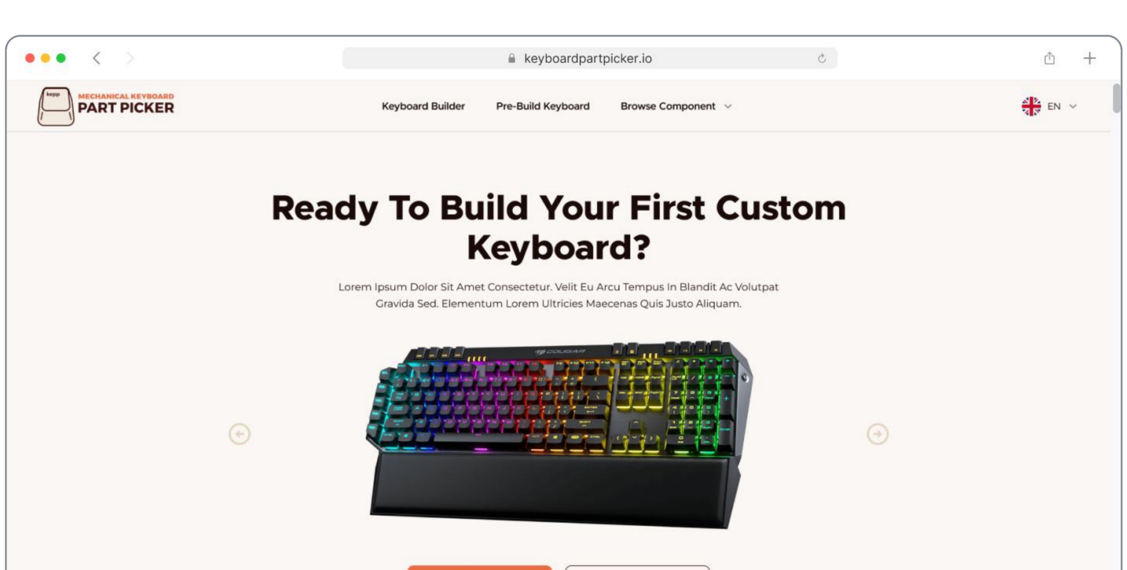
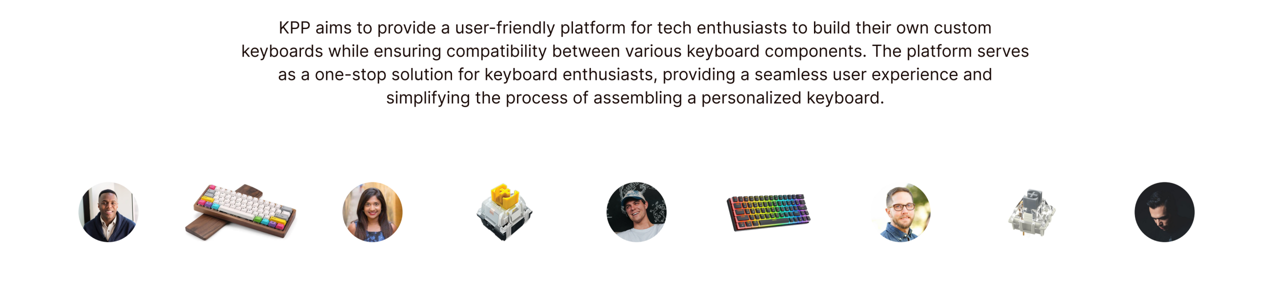
Introducing Keyboard Part Picker.

Keyboard Part Picker is an online tool to use to build a custom build keyboard according to your taste, and you can make sure all components are compactible



keyboard Part Picker Overview

KPP aims to provide a user-friendly platform for tech enthusiasts to build their own custom keyboards while ensuring compatibility between various keyboard components. The platform serves as a one-stop solution for keyboard enthusiasts, providing a seamless user experience and simplifying the process of assembling a personalized keyboard.



Interaction Key Points

Component Selection
Provide clear navigation and filtering options to help users find the specific components they are looking for.

Customization Options
Use intuitive controls and visual indicators to make the customization process straightforward and enjoyable

Compatibility Check
Provide clear and informative feedback to users, highlighting any incompatibilities and suggesting alternative options when necessary.

Product Info & Specifications
Users should be able to access this information easily to make informed decisions about their component selections.

Shopping Cart and Checkout
Users should be able to review their selections, modify quantities, and proceed with the purchase securely and efficiently.

Error Handling
Clearly communicate any errors or missing information and offer suggestions for correction.

Responsive Design
Elements should be appropriately scaled, and interactions should remain consistent regardless of the device being used.

Feedback and Notifications
Inform users about successful actions, such as adding items to the cart or completing a purchase.

Design Process

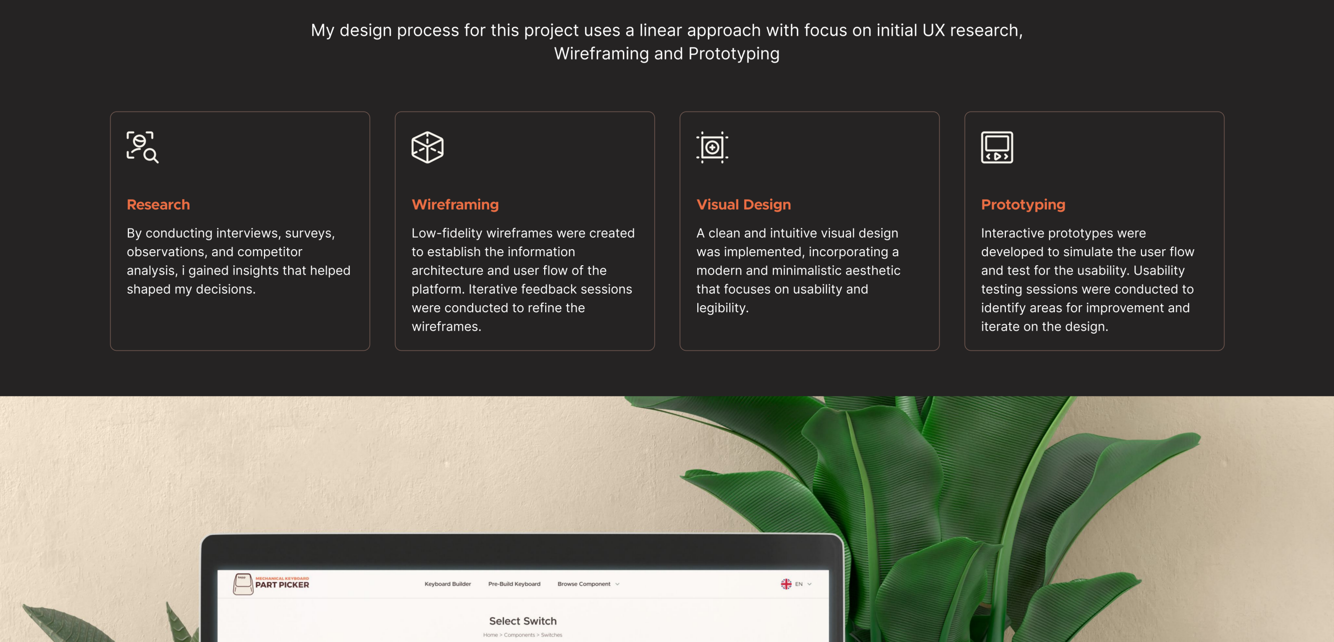
My design process for this project uses a linear approach with focus on initial UX research, Wireframing and Prototyping

Research
By conducting interviews, surveys, observations, and competitor analysis, i gained insights that helped shaped my decisions.

Wireframing
Low-fidelity wireframes were created to establish the information architecture and user flow of the platform. Iterative feedback sessions were conducted to refine the wireframes.

Visual Design
A clean and intuitive visual design was implemented, incorporating a modern and minimalistic aesthetic that focuses on usability and legibility.

Prototyping
Interactive prototypes were developed to simulate the user flow and test for the usability. Usability testing sessions were conducted to identify areas for improvement and iterate on the design.



Challenges and Solutions

My design process for this project uses a linear approach with focus on initial UX research, Wireframing and Prototyping

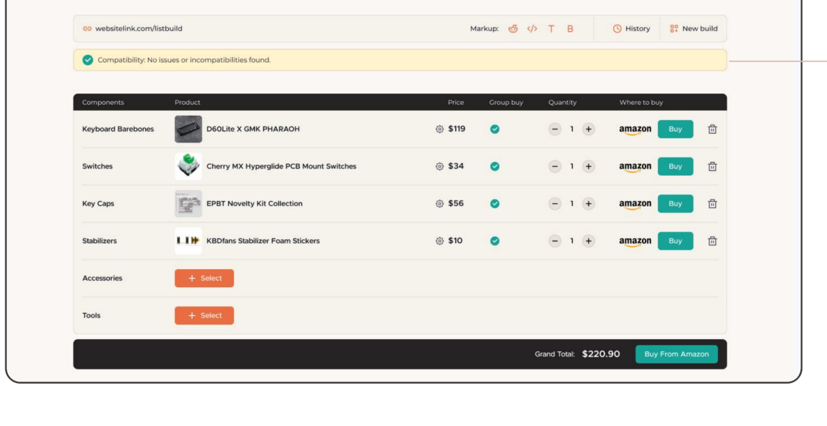
Compatibility Assessment
Developing a reliable compatibility-checking system presented a significant challenge. Extensive research and collaboration with keyboard component manufacturers were conducted to collect compatibility data and establish an accurate database.

Customization Builder
Customizing the keyboards builder involves numerous options and combinations. To simplify the process, a user-friendly interface with clear component tabs and where to purchase from was implemented. The builder provides prompts alerts to assist users for compatibility check.

Responsive Design
Ensuring a seamless experience across various devices and screen sizes was crucial. The design was implemented using responsive techniques, allowing the platform to adapt and provide an optimal experience on desktops, laptops, tablets, and mobile devices.

Keyboard Builder

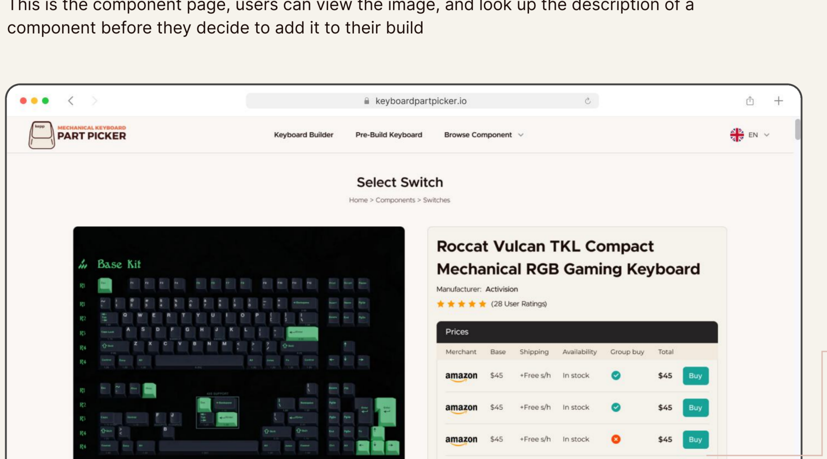
This section helps users easily choose and customize different components of a keyboard. It provides a seamless interface for choosing switches, keycaps, stabilizers, cases, accessories and tools, ensuring compatibility between the selected components.



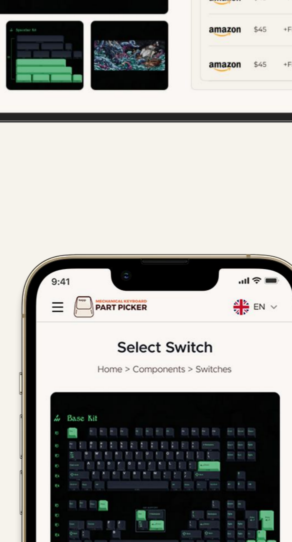
Compatibility Alert
I added a compatibility checker alert at the top of the builder, to make sure that the users are in loop of what are compactible and what aren't when building their keyboard.

Component Page

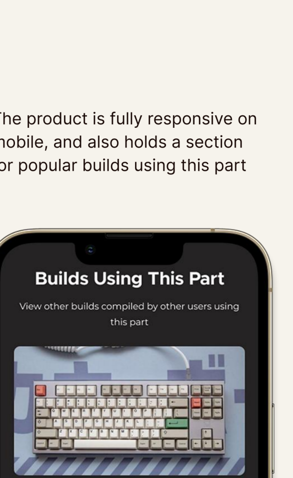
This is the component page, users can view the image, and look up the description of a component before they decide to add it to their build



Price Checker
This section shows the users various online stores that sells the component, as well as prices so users can also go for the one that best suit their budget.

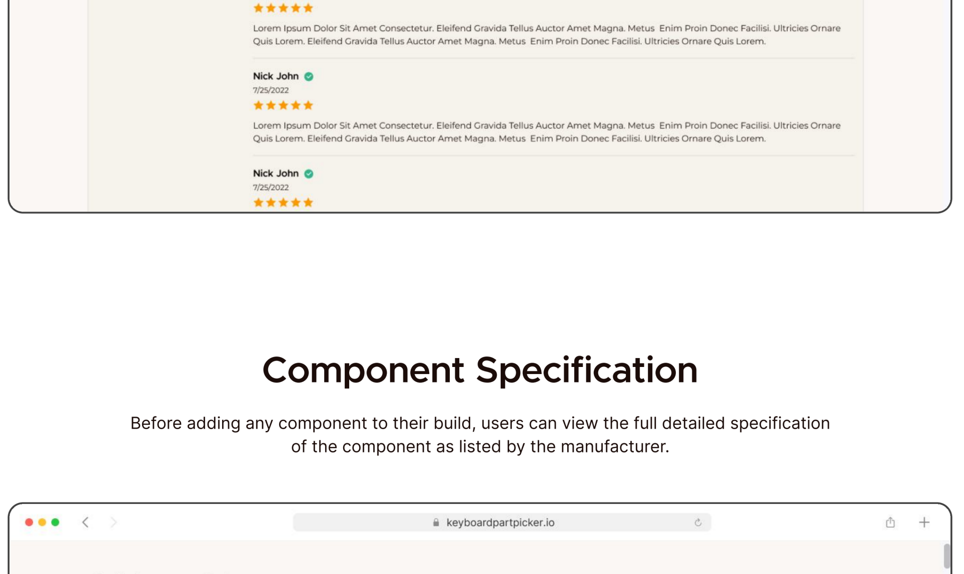


The product is fully responsive on mobile, and also holds a section for popular builds using this part



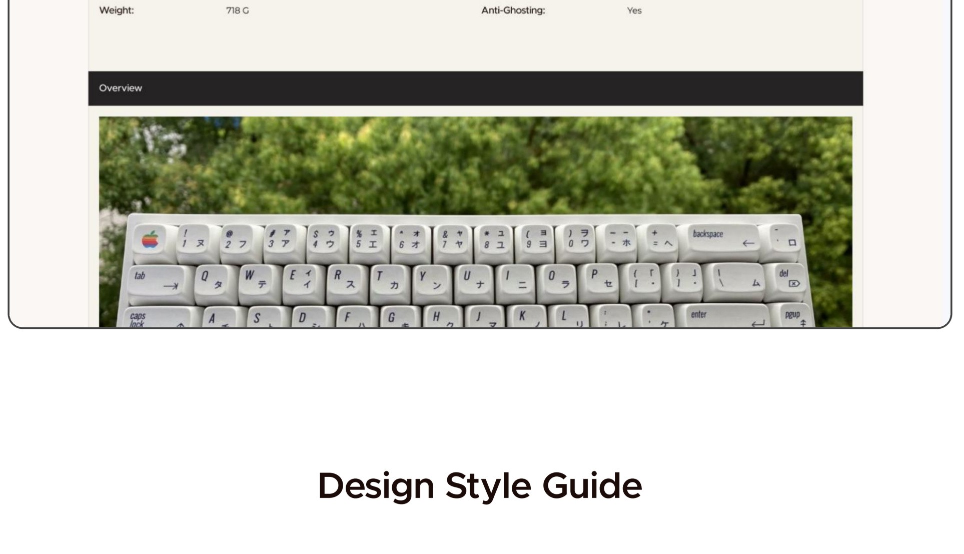
Component Review

Before adding any component to their build, users can check the ratings and also view reviews of other users to see other experience with the build.



Component Specification

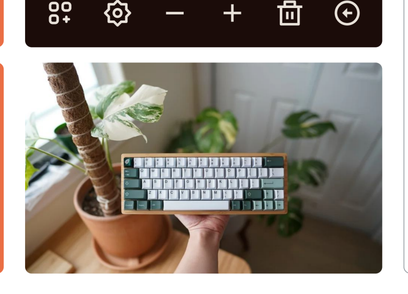
Before adding any component to their build, users can view the full detailed specification of the component as listed by the manufacturer.

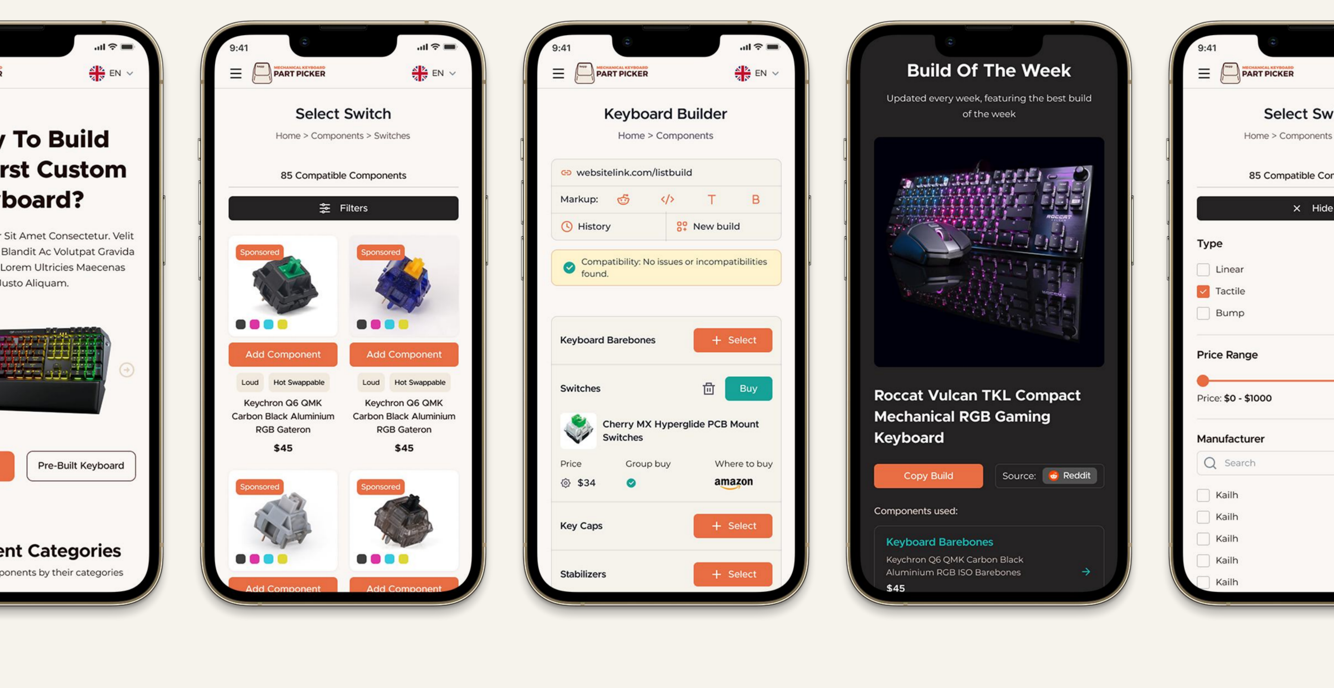


Design Style Guide

Metropolis
Aa (For Header)

Montserrat
Aa (For Body)



Mobile Responsive page

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