

## **PCBuilder FrontEnd Documentation - Figma Link**

### **Prototype Link for Figma Presentation**

#### **Website Selection:**

Our team has chosen to develop PCBuilder, a custom PC Builder Tool inspired by [PC Part Picker](#) and [Pangoly](#). This decision was driven by identifying gaps in these existing websites while recognizing the growing market of PC enthusiasts, especially within the Computer Science and Computer Engineering students community who need comprehensive tools for building personalized computer systems in an intuitive way.

#### **Design Concept:**

##### **Target Audience**

PCBuilder will cater to several key demographics:

- Gaming enthusiasts seeking optimal performance within specific budgets
- Computer Science and Computer Engineering students requiring specialized builds for academic projects
- Professionals in fields demanding high-performance computing (video editors, 3D modelers, developers)
- PC enthusiasts and hobbyists who enjoy the building process

Our Front-End approach for PCBuilder emphasizes a clean, modern aesthetic with a focus on component visualization and user-friendly navigation. The design uses a simple color palette that balances technical professionalism with engaging visual elements so users can see the components they're picking.

#### **Overview of the Web Pages**

##### **1. Homepage**

This is the main page of the website and will be used to get to any other pages. Through the homepage, users can check out builds, make an account, login, logout, browse through products,

mark an item as favorite, place an item in their wish list, read about the website, and be able to contact the makers of the website itself.

## **2. Sign In / Register pages**

Users will need an account to use the capabilities of the website. There will be a sign up page for users to create an account by entering their information or signing up through a google account. For those who already have an account, there will be a separate login page.

## **3. User Profile Page (Account Page)**

This will be where the User will see details about their User information. Users will be able to edit their personal information on this page.

## **4. Browsing Components Page – Making a build (Builder Page)**

The Browsing for components Page will provide a list of the **general components** needed to build a PC (CPU, CPU cooler, motherboard, etc). Users will be able to click on each component they are interested in browsing, and this will lead to a separate page dedicated to that specific component.

## **5. Category Page**

The Category Page provides a comprehensive view of all available products within that specific component family. Here, users can browse through the various options, compare specifications, check compatibility and ultimately choose the perfect part for their custom build.

Specific products on this page can also be clicked on to navigate the user to the Product Details Page.

## **6. Product Details Page**

The Product Details page offers an in-depth look at the user's selected component, providing the information needed to make an informed decision for your build. An image gallery showcases the component, allowing the user to examine its design and physical features.

Below that, you'll find comprehensive technical specifications presented in an easy-to-scan

format along with its price. The page includes a real-time price comparison section showing current offers from multiple retailers, helping you secure the best deal.

A user reviews section displays ratings and detailed feedback from other builders who have experience with this component.

An "Add to Build" button featured on the page lets you instantly incorporate this component into your current PC build, while automatically checking compatibility with your existing selections.

## **7. Your Builds or Saved Builds (Builds Page)**

The Your Builds page is where you will be saving each one of your custom PC builds with a list of your chosen components. You will be able to click on each build to see your Build Page for that specific build.

## **8. Build Page**

Build page will be where you can see the specific products chosen for this specific build with the prices and the total amount of budget needed for this custom PC.

## **9. Check Out Page**

After users check out their orders on the Build Page after finalizing their custom pc products, they will be taken to the check out page where they will input their payment information to order the products!

## **10. About Us**

The About Us page will include a short description of how our website works and a brief background about the people behind the scenes. This page will also discuss why this website was made and why it could be useful to users who are wanting to browse through computer products.

## **11. Contact us**

This page of the website will show the email address and phone numbers of the makers of the website so that users can easily reach out to us if they have any questions or concerns.

## **12. Error Page**

Whenever the website encounters a 'Page Not Found' Error, it will display this 404 Error Message Page to let the user know.