

# BitForge Documentation

project by Judson Rafferty Moniaga

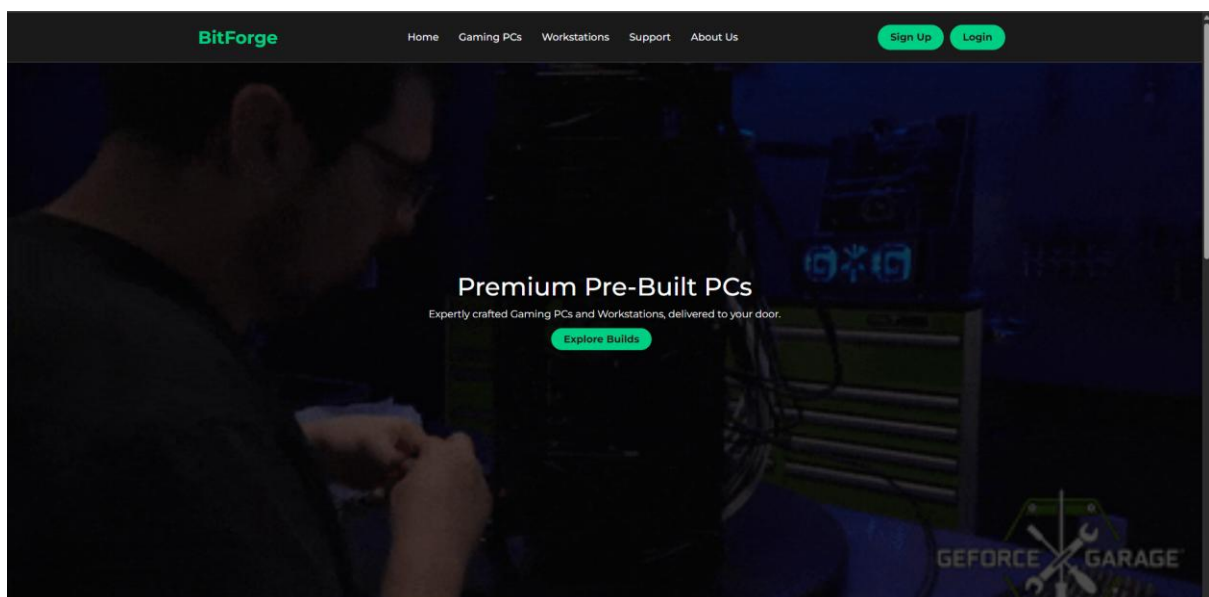
Technologies used: HTML, CSS, JavaScript, Node.JS, Express.js, MySQL, Socket.IO

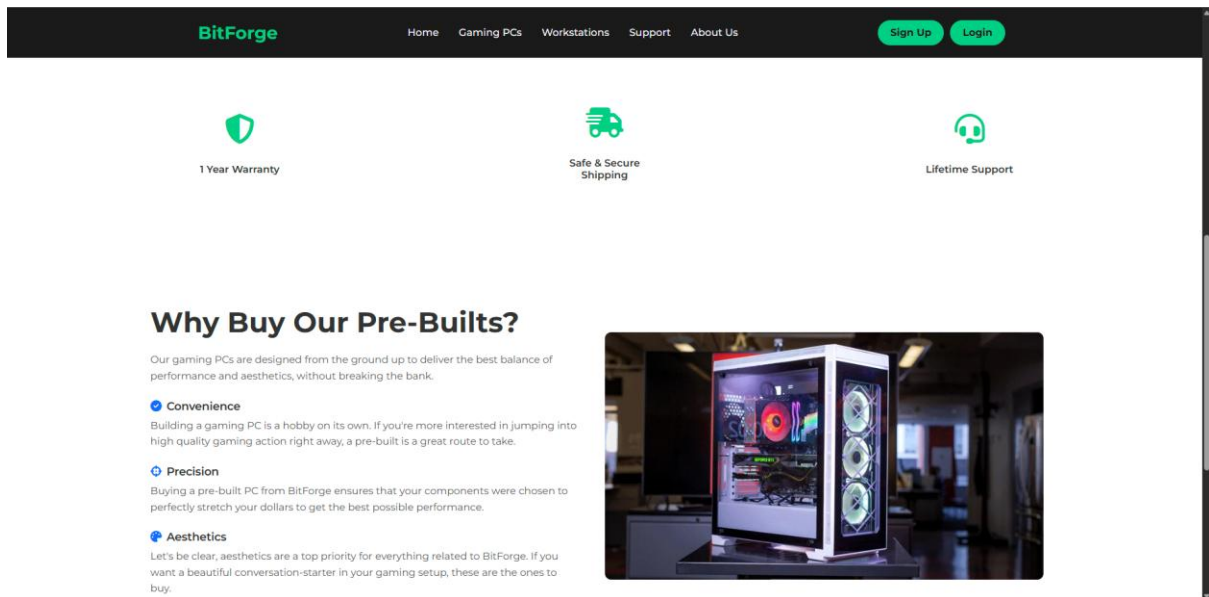
Welcome to the BitForge project! This is a dynamic, multi-page website for a fictional company that sells pre-built gaming PCs and professional workstations. The site is designed to be modern, user-friendly, and fully interactive, featuring a working frontend user interface and a backend server for user login/signup feature.

Features:

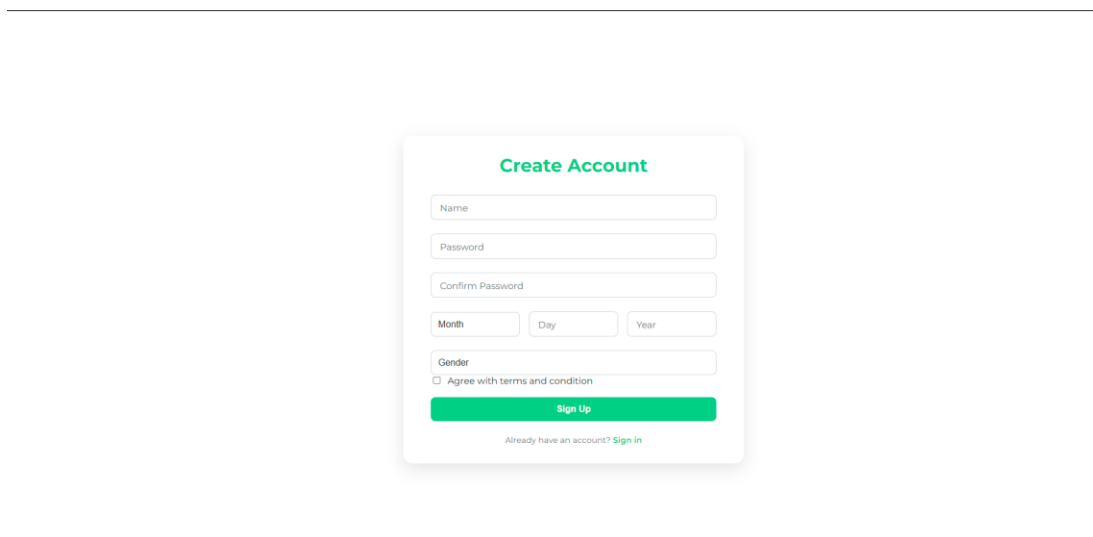
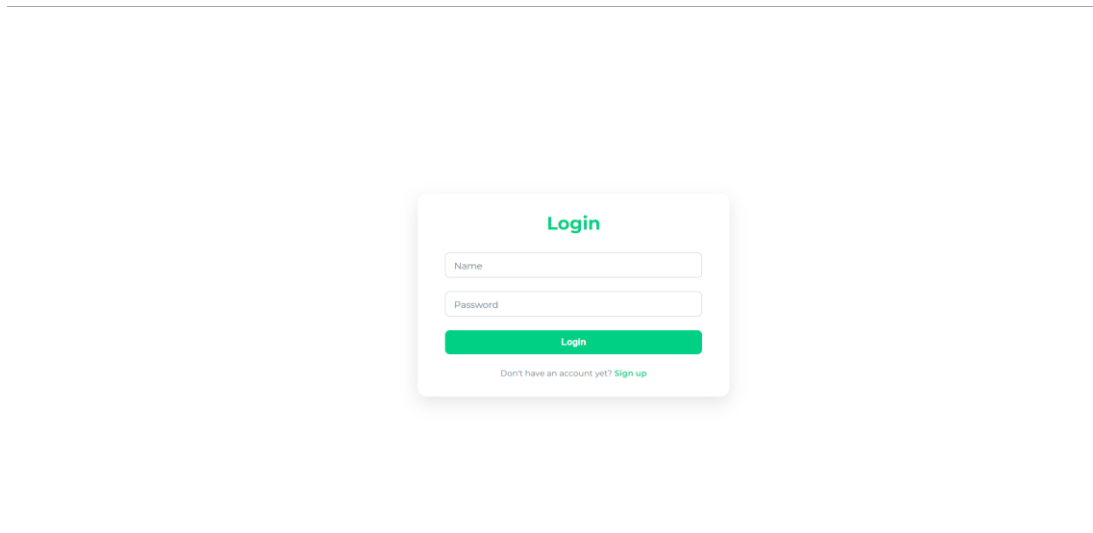
- User Authentication: Secure sign-up and login system for users to manage their accounts, handled by a Node.js backend.
- Real-Time Chat: A live chat feature built with Socket.IO for instant user-to-user or user-to-support communication.
- Dynamic Product Catalog: A home page that showcases various pre-built PCs, categorized for easy browsing (Budget, Mid-Range, High-End, Workstations).
- Product Detail Pages: Each PC has its own dedicated page with a detailed parts list, image gallery, and pricing.
- Interactive Shopping Cart: Users can add items to their cart, view the contents, update quantities, and remove items. All cart data is saved locally in the browser.
- User Profiles: A dedicated profile page where users can view their information and order history.
- Functional Product search bar: working search on the home page to find specific products based on name.

Landing Page:





## Login and Signup:



Home Page:

BitForge

HomeMy CartChatProfileAbout Us


Hello, user!!Sign Out

Find Your Perfect Pre-Built PC

Search by name, like 'OfficeLite'...


AllWorkstationsBudget GamingMid-Range GamingHigh-End Gaming

Featured Systems




Budget Gaming  
Ryzen 5 5500 + RX 6600  
**PlayBox Lite**  
Rp 9.000.000

Order




Budget Gaming  
Ryzen 5 5600 + RTX 3050  
**BattleStar**  
Rp 10.500.000

Order




Mid-Range Gaming  
Ryzen 5 5600 + RX 7600  
**PlayBox Pro**  
Rp 12.000.000

Order



Mid-Range Gaming  
Ryzen 5 7600 + RX 7700 XT  
**GameCore**  
Rp 15.000.000

Order




High-End Gaming  
Ryzen 5 9600X + RX 7800 XT  
**NightFury**  
Rp 30.000.000





Order

Product Details Page:

BitForge

Hello, user!!





Home / Mid-Range Gaming

**GameCore**  
Rp 15.000.000

1

Add To Cart

Product Details

Experience next-generation performance with the GameCore. Built on the new AMS platform with a Ryzen 5 7600 CPU and an RX 7700 XT GPU, this machine is a 1440p gaming powerhouse.

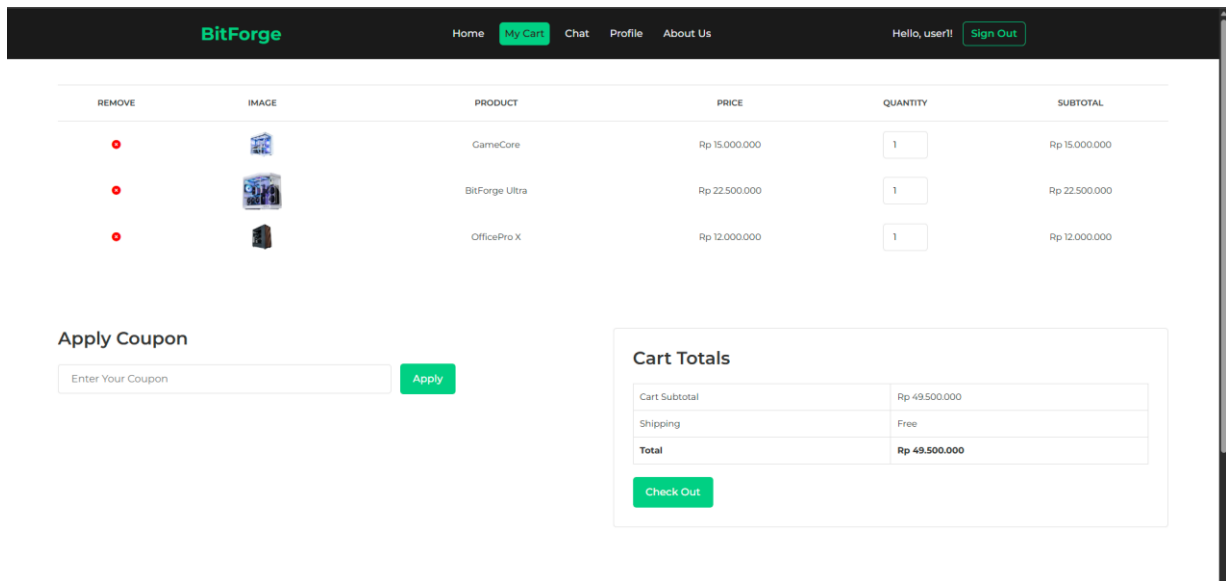
Parts List:

CPU - AMD Ryzen 5 7600  
GPU - AMD Radeon RX 7700 XT  
RAM - 32GB DDR5 6000MHz  
Mobo - B650 Motherboard  
PSU - 750W 80+ Gold  
SSD - 2TB Gen 4 NVMe SSD  
AIO - Deepcool LS520 240mm AIO  
Case - NZXT H5 Flow

Windows 11 Home Installed + Activated.

All components were purchased BRAND NEW.

My Cart Page:



Payment page:

The screenshot shows a payment page with a form overlay on a dark background with yellow geometric shapes. The form is divided into two main sections: "BILLING ADDRESS" and "PAYMENT".

**BILLING ADDRESS**

Username :

Email :

Date Appointment :

Address :

State :  Zip Code :

Subtotal: Rp.0,00

**PAYMENT**

Cards Accepted :

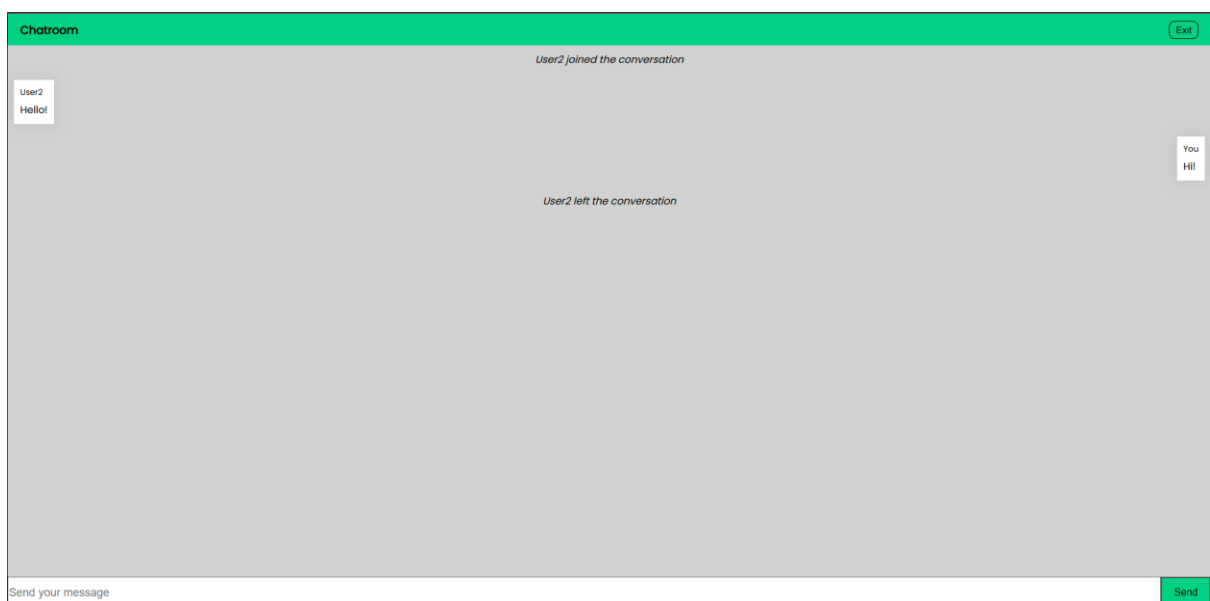
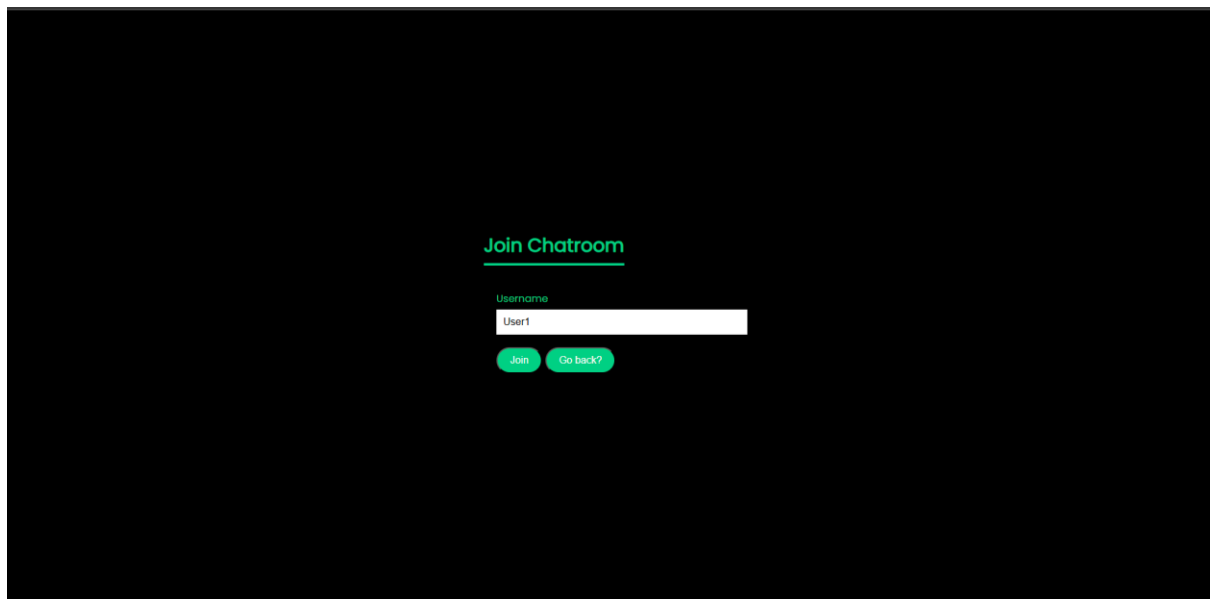
Name On Card :

Credit Card Number :

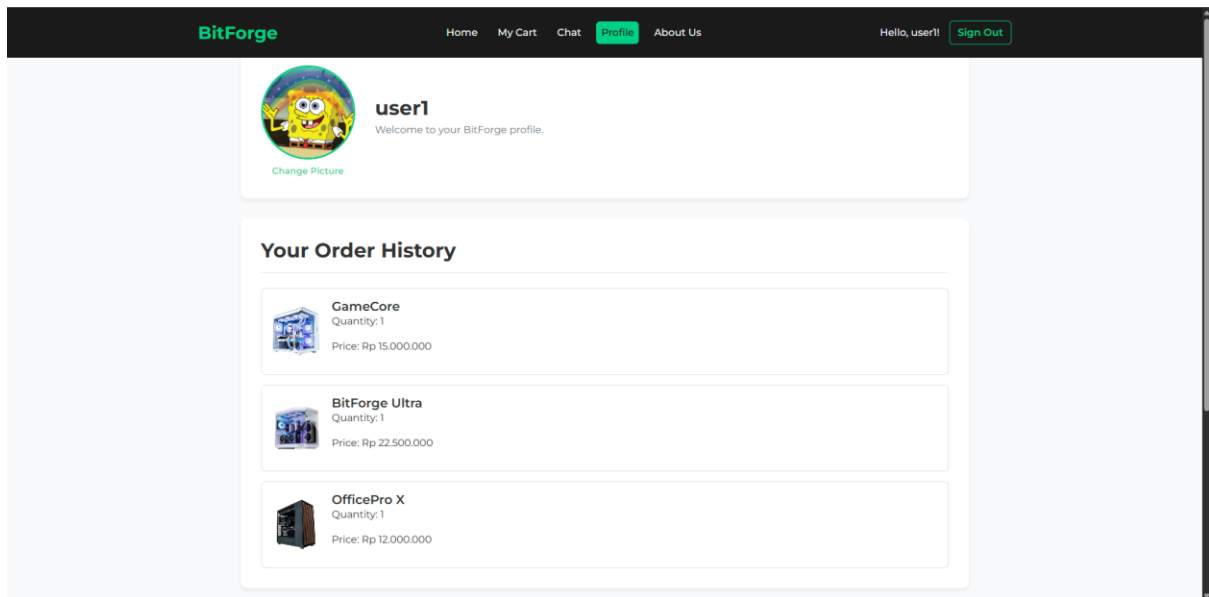
Exp Month :

Exp Year :  CVV :

Chatroom:



Profile page:



About Us page:

