**Project Title- BuildPhoenix**

**Technology –MERN Stack**

**Product Functions/Modules (Describe each module in 2-3 sentences)**

1. **User Authentication and Registration:**

**- Allows users to securely create accounts and log in.**

**- Manages user roles (Admin, User) and their permissions.**

1. **PC Configuration Builder:**

**- Enables users to input their PC components (CPU, GPU, RAM, Storage, etc.).**

**- Provides real-time compatibility checks and suggestions.**

**- Generates a complete PC configuration based on user inputs.**

**3. Payment System:**

**- a payment system allowing users to make payments for PC for building services**

**- Admin can track payment status and confirm receipt of half payment.**

**4. Admin Review and PC Building:**

**- Admins review user-submitted PC component lists.**

**- Once half payment is confirmed, the admin team proceeds to build the PC.**

**- Admins may contact users for any additional details or preferences.**

**5. Community Forum:**

**-Establishes a space for users to discuss PC components, configurations, and troubleshooting.**

**- Encourages sharing of successful PC builds and experiences.**

**- Facilitates discussions on challenges and solutions in PC building.**

**6. Build Showcase:**

**-Allows users to showcase their completed PC builds, including detailed component lists.**

**-Provides a platform for users to share images, benchmarks, and insights about their builds.**

**- Inspires and guides others in creating their custom PC configurations.**

**7. Admin Panel and Content Management:**

**- Provides administrators with tools to manage user accounts securely.**

**- Admins can moderate content, ensuring it aligns with the platform's guidelines.**

**- Supports the overall integrity and security of the BuildPhoenix community.**

**Users of system**

1. **Admin:**

**- Manages user accounts, reviews and confirms payments, and oversees PC building processes.**

**- Moderates content and ensures the platform's integrity.**

1. **User:**

**- Creates and manages their account.**

**- Inputs their PC components and receives suggested configurations.**

**- Makes payments for PC building services.**

**- Engages in discussions about PC building in the community forum.**

**- Showcases their completed PC builds.**

**Group No- 41**

**Group Member details**

|  |  |
| --- | --- |
| **Roll No.** | **Name:** |
| 2301172 | Oman Sameer Sayyad |
| 2301128 | Atifkha Arifkha Pathan |

**Guide Name –Dr. Ashwini Patil**

**Guide Signature -**