**🎮 Final Project: Interactive RPG-Style Website**

## **🔥 Project Overview:**

This project focuses on creating a **visually engaging and interactive RPG-style website** with seamless animations, immersive UI/UX elements, and a dynamic navigation experience. The website should be **lightweight and optimized for high Lighthouse scores** while maintaining aesthetic appeal.

RPG- Role Playing Game.

## **🚀 Core Features & Functionalities**

### **🎨 Landing Page – The Grand Entrance**

1. **Full-Screen Solid Color Background**:  
   * The website starts with a **single solid background color** (customizable per theme).
   * A **blue circular button with a glowing white ring** at the center, giving a **3D floating effect** (using shadow, gradient, and hover animations).
2. **Button Interaction & Page Transition:**
   * When clicked, **two lines emerge from opposite corners**, moving towards the button.
   * The button **expands slightly**, and the two lines **slide apart like a door**, revealing a **white page** underneath.
3. **Smooth Background Transition:**
   * After **1 second**, the white page **gradually fades** into an **old RPG-style journey path** background.
   * The transition effect should feel like **a journey beginning** (e.g., fading in from mist or parchment paper reveal)

4. 🕶 **Dark Mode Option:**

* Users can **toggle between light and dark themes**.

### **📌 Main Navigation Blocks (RPG Menu System)**

* The page features **blocks (cards) representing different sections**, such as:
  + 🗺️ **Locations**
  + 🏰 **Map**
  + 👥 **Characters**
  + 📜 **Story**
  + ⚔️ **Items & Equipment**

1. **Hover Effects:**
   * Each block initially has a **solid color fill**.
   * On hover, the block **pops up slightly**, the **color fill vanishes**, and a **blurred background image** appears inside the block.
   * The block slowly **reveals its actual background image**, aligning with the RPG theme.
2. **Click Interaction:**
   * Clicking any block **redirects to a new page** dedicated to that section.

### **👥 Characters Page (Dynamic Interactive Showcase)**

1. **Grid Layout (Flashcards System):**
   * Minimum **15 characters displayed in a structured grid (rows & columns)**.
   * Each **character is inside a vertical rectangular card** (like a Pokémon card).
2. **Hover Interactions:**
   * As you hover:
     + The **character’s card pops up slightly**, adding **a shadow and border effect**.
     + The **name text enlarges slightly** and **extra character details appear** below it.
     + The **character animation starts playing**.
     + The background behind the card **changes from solid white to a blurred image**.
   * When the cursor moves away:
     + The **animation stops at the last frame**, freezing in that position.
3. **Click Interaction:**
   * Clicking a character redirects to their **dedicated full-page 3D showcase**.

### **🏆 Character Detail Page (Full-Page 3D Experience)**

1. **Full-Screen 3D Character Display:**
   * The character is shown in **3D with rotation & zoom controls**.
   * A **stats/info panel on the right** displays details like:
     + 🔥 **Power Levels**
     + ⚔️ **Skills & Abilities**
     + 🌎 **Location & Lore**
     + 🎭 **Affiliations & Story Role**
2. **Keyboard Navigation:**
   * **Right Arrow Key** → Moves to the **next character**.
   * **Left Arrow Key** → Moves to the **previous character**.
   * The transition should **feel smooth**, keeping the UI immersive.

### **🗺️ Location & Map Pages**

1. **Interactive RPG Map:**
   * A **clickable, interactive map** featuring different locations.
   * Each marked location **expands on hover** and **reveals more details**.
2. **Location Detail Page:**
   * Clicking a location redirects to a **full-page display** with:
     + **Images, descriptions, and lore**.
     + **Connected characters and events** from the story.

## **🎯 Technical Requirements & Best Practices**

✔ **Performance Optimization:**

* Lightweight animations (GSAP or CSS animations).
* Lazy loading images & 3D models.
* Optimized assets to maintain **high Lighthouse scores**.

✔ **Responsive Design:**

* Works seamlessly across **desktop, tablets, and mobile**.
* Adaptive UI for different screen sizes.

✔ **Modern Technologies:**

* Frontend: **vanilla JavaScript**
* Animations: **CSS3**
* Backend: **Not needed**

✔ **Enhancements for Aesthetic Appeal:**

* **Subtle parallax effects** for depth.
* **Hover sounds & ambient music** for RPG immersion.
* **Dynamic lighting/shadows** on characters for a modern feel.

## **💡 Bonus Features (For Extra Edge)**

🎵 **Background Music & Sound Effects:**

* Background themes that **change based on the section**.
* Button clicks, hover interactions, and transitions have **subtle sound cues**.

🖥️ **Game-Like Animations:**

* Idle character animations on pages.
* Smooth **page transitions like RPG scene changes**.

## **🎯 Final Thoughts & Submission Criteria**

* **The website should feel immersive and polished.**
* **Every interaction should be smooth and responsive.**
* **Lighthouse score should remain optimized for high performance.**
* **Animations and transitions should not affect page load speed.**
* **The project should be tested across multiple devices and browsers.**
* ***You will also have to explain the project code to the instructors.***

🔹 **Best Example for Developers:**

* **Pokémon RPG Info Websites** (due to easily available data).
* Developers can **choose their own RPG theme and characters**.

### **🚀 Get Creative & Make it Awesome! 🔥**

### **⚠️ Final Caution Note – Stay Active & Enjoy the Process!**

As we dive into this **exciting RPG-styled website project**, here’s a small reminder:

🔹 **Stay active in the group** – all updates, discussions, and support will happen here.  
🔹 **Don't stress or feel pressured** – this is a learning experience, so enjoy the process!  
🔹 **Collaboration is key** – ask questions, share ideas, and help each other.  
🔹 **If you face any challenges, reach out!** We're all here to build something amazing together.

This project is meant to be **fun, engaging, and a great opportunity to learn**—so make the most of it! 💡🔥

**Let’s create something incredible.** 🎮💻 **Happy coding!** 🚀

💻 **GitHub Repository for Reference:**<https://github.com/RaoAviralYadav/From-Code-to-Creation>