

# MINI HACKATHON CHALLENGE

## Create a Functional Landing Page

### Objective:

Design and develop a visually appealing and interactive **Landing Page** for a fictional product or service. Use **HTML**, **CSS**, and **JavaScript** for development, following the rules outlined below.

### Challenge Details

#### 1. Design Requirements:

- Follow the provided PDF design strictly as a reference for the layout.
- **Images** are available in the assets folder; you can reuse a product image if needed.

#### 2. HTML Structure: Create a structured HTML document.

#### 3. CSS Styling:

- Style the page according to the design using only **pure CSS**.
- Ensure the layout is **responsive** (mobile-friendly).

#### 4. JavaScript Functionality:

- Implement an **"Add to Cart"** feature:
  - When a user clicks the "Shop Now" button, the product gets added to a virtual cart.
  - Open a basket or modal when adding an item.
  - Display the total price of the products in the cart.
- Create a **slider** for showcasing products or offers.

#### 5. Firebase Integration:

- Store data for:
  - Newsletter subscriptions (email addresses).
  - Contact Us form submissions (name, email, message).
- Use Firebase's **Realtime Database** or **Firestore** for this purpose.

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### Rules:

- **No frameworks** like Bootstrap; use pure HTML, CSS, and JavaScript.
- Ensure code is **well-organized and clean**.
- Document your approach (write comments in your code or provide a brief README).

### Bonus Features (Optional):

- Display the number of items in the cart next to the basket icon.
- Implement a **search bar** to filter products.
- Add animations for cart updates or sliders.

### Submission:

1. Deliver the project as a ZIP folder or GitHub repository link.
2. Ensure the Firebase setup is operational with a live demo link (optional).
3. Submission Deadline: **Friday at 12 AM**.

Best of luck to each of you! Remember, the key to success is persistence and creativity. Take your time, stay focused, and most importantly, enjoy the process of learning and building. I'm excited to see your amazing projects come to life!