

Job Simulation: Product Showcase Landing Page

Project Title: Implementation of a Product Showcase Landing Page

Role: Front-End Development Intern

Technology Stack

- React.js
- Material UI (MUI)

Objective

To design and implement a responsive, marketing-focused product showcase landing page using React and Material UI. This project simulates the real-world development of a tech company's product launch website using **only MUI components** for layout, styling, and consistency.

Task Overview

As part of hands-on front-end development training, the task is to build a **single-page application (SPA)** showcasing the company's latest products (e.g., smartphones, laptops) with modern, visually engaging components. The layout should be responsive and fully implemented using Material UI's component system — **no custom HTML tags** like `<div>`, `<button>`, etc.

Task Requirements

1. Functionality

- Use only Material UI components (e.g., `<Box>`, `<Grid>`, `<Button>`, etc.)
- Layout and styling via `sx` prop and MUI system

- Render product data dynamically using JavaScript arrays and .map() function

2. User Interface (UI)

A. Top Banner / Navigation

Components:

- <AppBar>, <Toolbar>, <Typography>, <IconButton>

Must Include:

- Site logo or name (e.g., "Job Simulation")
- Navigation links: **Home | Products | Contact**

B. Hero Section

Components:

- <Grid>, <Box>, <Typography>, <Button>

Layout:

- **Left:** Product title, slogan, Call-To-Action button (“Buy Now”, “Learn More”)
- **Right:** Product image placeholder using:

jsx

CopyEdit

```
<Box sx={{ bgcolor: 'grey.300', height: 200 }} />
```

C. Product Features Section

Components:

- <Grid>, <Box>, MUI Icons

Layout:

- 3–4 `<Grid item sm={6} md={3}>` feature cards
Each card must include:
- An icon from `@mui/icons-material`
- Title (`<Typography variant="h6">`)
- Description (`<Typography variant="body2">`)

D. Product Cards Section

Components:

- `<Grid container>`, `<Card>`, `<CardMedia>`, `<CardContent>`, `<Button>`

Each Card Displays:

- Product name
- Short description
- “View Details” button
- Optional image in `<CardMedia>`

E. (Optional) Testimonials Section

Component:

- `<Paper>` inside `<Grid item>`

Must Include:

- Customer name
- Short testimonial
- Avatar or icon

F. Footer

Components:

- `<Box>` or `<AppBar position="static">`, `<IconButton>`

Must Include:

- Company contact information or site links
- Social media icons (e.g., Facebook, Twitter, LinkedIn)

3. Code Structure

- Separate modular React components for each section
- No external CSS; use only MUI's `sx` prop for styling
- Product data and testimonials stored in JS arrays
- Render content using `.map()` method for scalability
- Fully responsive using Material UI's breakpoints: `xs`, `sm`, `md`, `lg`
- Add comments in code to explain rendering logic

Deliverables

Submit a project folder containing:

File Name	Purpose
App.jsx	Main app file combining all sections
Navbar.jsx	Navigation bar component
HeroSection.jsx	Product banner and marketing message
Features.jsx	Product feature list using icons
Products.jsx	Product cards rendered via <code>.map()</code>

File Name**Purpose**

Testimonials.jsx (*optional*) Customer feedback section

Footer.jsx Contact and social links

productData.js JS array for product and feature data

index.js Main React entry point

Learning Outcomes

Upon completing this project, you will gain real-world experience in:

- Creating responsive and visually appealing landing pages
- Structuring React projects with modular components
- Using Material UI's component system and responsive design techniques
- Mapping and dynamically rendering UI from data arrays
- Maintaining clean, professional code with inline documentation

Project:

←

→

🔄

🏠

🔍

localhost:3000/#products

☆

📁

📄

🌐

⋮

TechStore


HOMEPRODUCTSCONTACT

Elevate Your Tech

Discover cutting-edge gadgets designed to enhance your lifestyle.

BROWSE PRODUCTS

Featured Products




Wireless Headphones

High-fidelity sound with active noise cancellation.

\$199

BUY NOW




Smart Watch

Track fitness, sleep, and notifications.

\$149

BUY NOW



4K Drone

Capture cinematic aerial footage.

\$899

BUY NOW

Get in Touch

Name *

Email *

Message

SEND MESSAGE ➤

© 2025 TechStore. All rights reserved.

