Job Simulation: Product Showcase Landing Page

Project Title: Implementation of a Product Showcase Landing Page

Role: Front-End Development Intern

Technology Stack: React, Material UI (MUI)

Objective

To design and implement a **marketing-focused**, responsive **product showcase landing page** using **React** and **Material UI**. This project simulates working on a real-world product launch website for a tech company using only MUI components for layout, style, and UI consistency.

Task Overview

As part of your hands-on learning, you are required to build a **single-page product showcase website** that presents the company's latest products (e.g., laptops, phones) through modern, visually rich UI components. You will use **Material UI's layout system**, components, and icons — no custom HTML elements.

Task Requirements

1. Functionality:

○ Use only **Material UI components** — no , <button>, etc.

○ Use **Grid**, **Box**, and MUI's sx prop for layout and styling

○ Dynamically render products and features using arrays and .map()

2. User Interface (UI):

A. Top Banner / Navigation

Components: <AppBar>, <Toolbar>, <Typography>, <IconButton> Must Include:

- Site logo or name
- Navigation links: Home | Products | Contact

B. Hero Section

Components: <Grid>, <Box>, <Typography>, <Button> Layout:

- Left side: Product title, marketing slogan, CTA button ("Buy Now", "Learn More")
- Right side: Product image placeholder using <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}> cards
- Each card shows:
    - Icon from @mui/icons-material
    - Title (<Typography variant="h6">)
    - Description (<Typography variant="body2">)

D. **Product Cards Section**

Components: <Grid container>, <Card>, <CardContent>, <CardMedia>,

<Button>

Each card should display:

- Product name
- Short description
- “View Details” button
- Optional image placeholder 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> Include:

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

3. Code Structure:

○ Modular React components for each section

○ All layout/styling through sx prop or MUI system (no CSS files)

○ Data (like products, testimonials) stored in arrays and rendered with .map()

○ Responsive behavior using xs, sm, md, lg breakpoints

○ Write clear comments to explain rendering

logic **Bonus (Optional):**

- Add hover effects to product cards using sx
- Use @mui/icons-material for decorations
- Add scroll-to-section navigation
- Use different layouts for mobile vs. desktop using Grid
- Animate button clicks or transitions using MUI's system

Deliverables

Submit a project folder that includes:

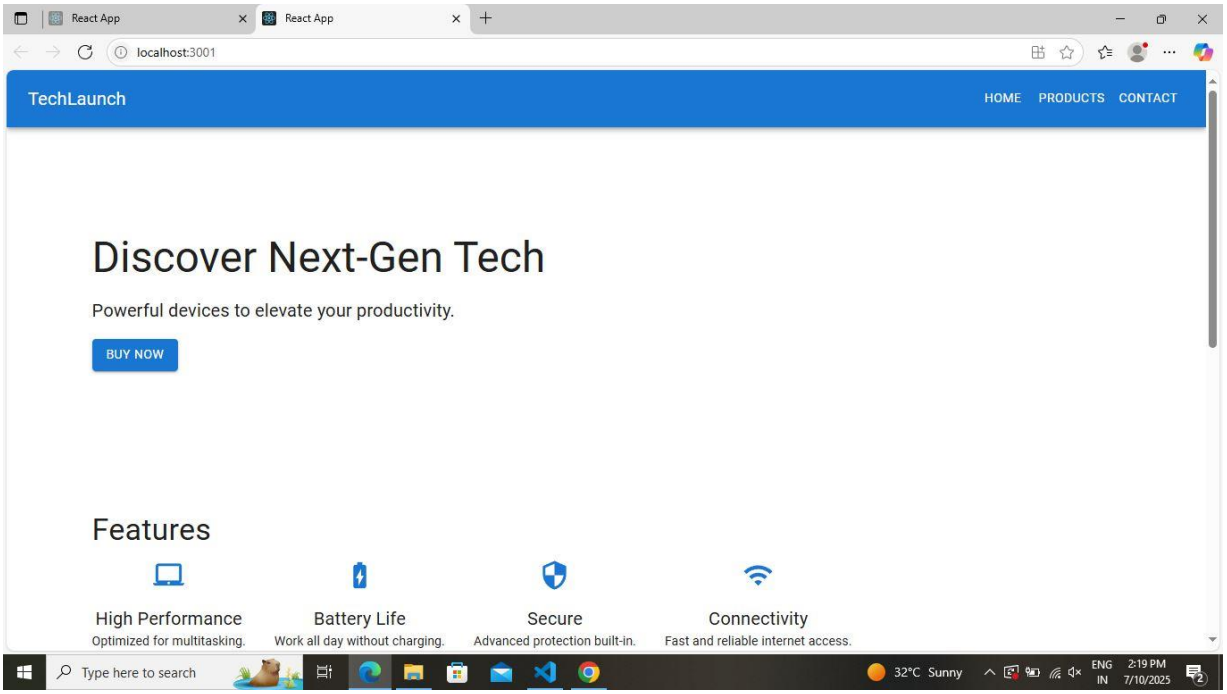
- App.jsx – Main component combining all sections
- Navbar.jsx – Top navigation bar
- HeroSection.jsx – Banner with product slogan
- Features.jsx – List of product features with icons
- Products.jsx – Mapped product cards
- Testimonials.jsx (optional) – Customer feedback
- Footer.jsx – Footer with links and icons
- productData.js – Sample product and feature data arrays
- index.js – Main entry point for the app

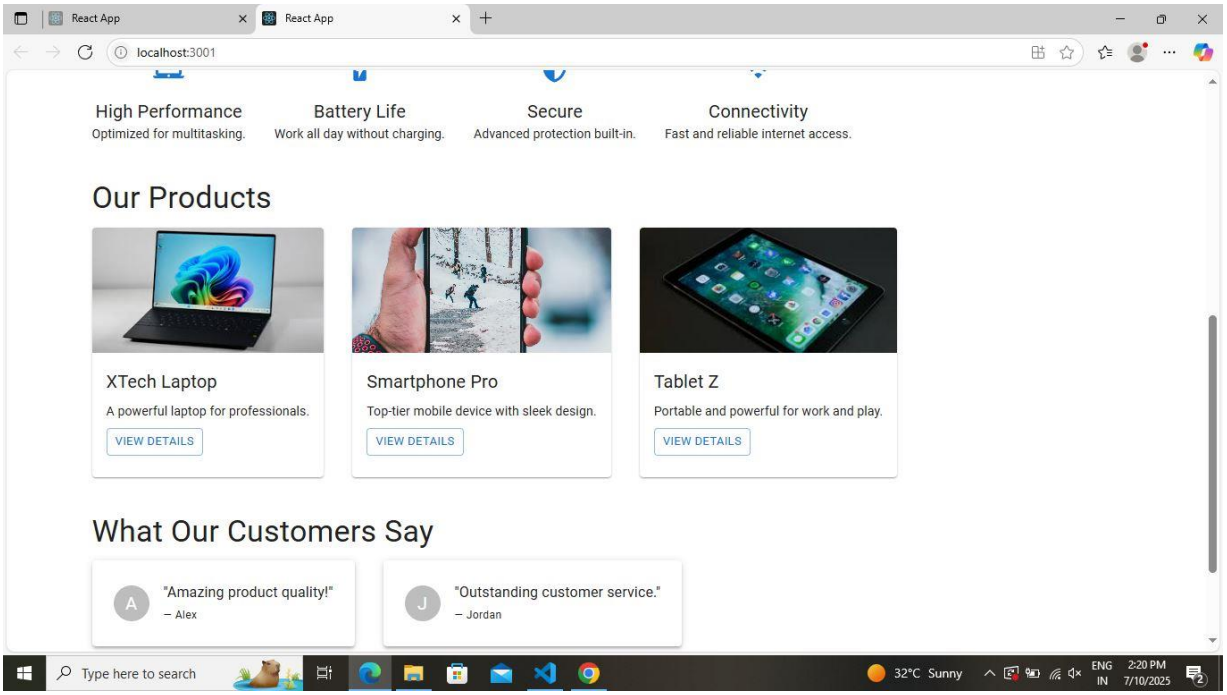
Note: Include a brief (2–3 line) comment in Products.jsx explaining how products are displayed using .map().

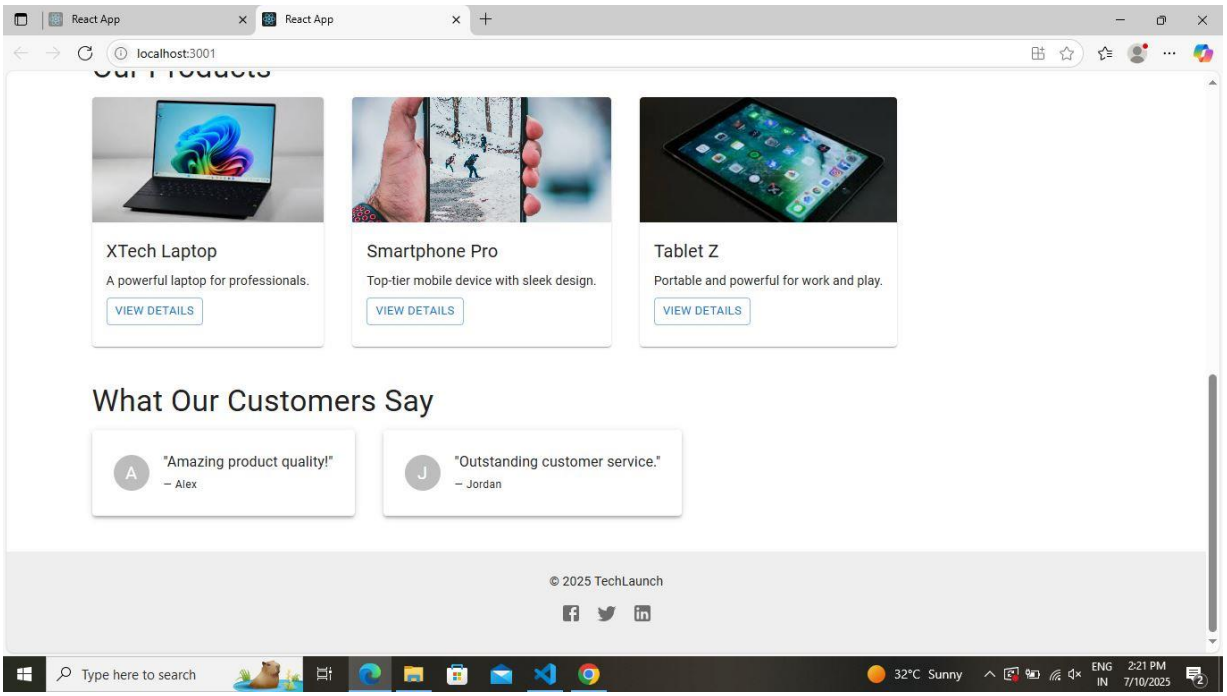
Learning Outcomes

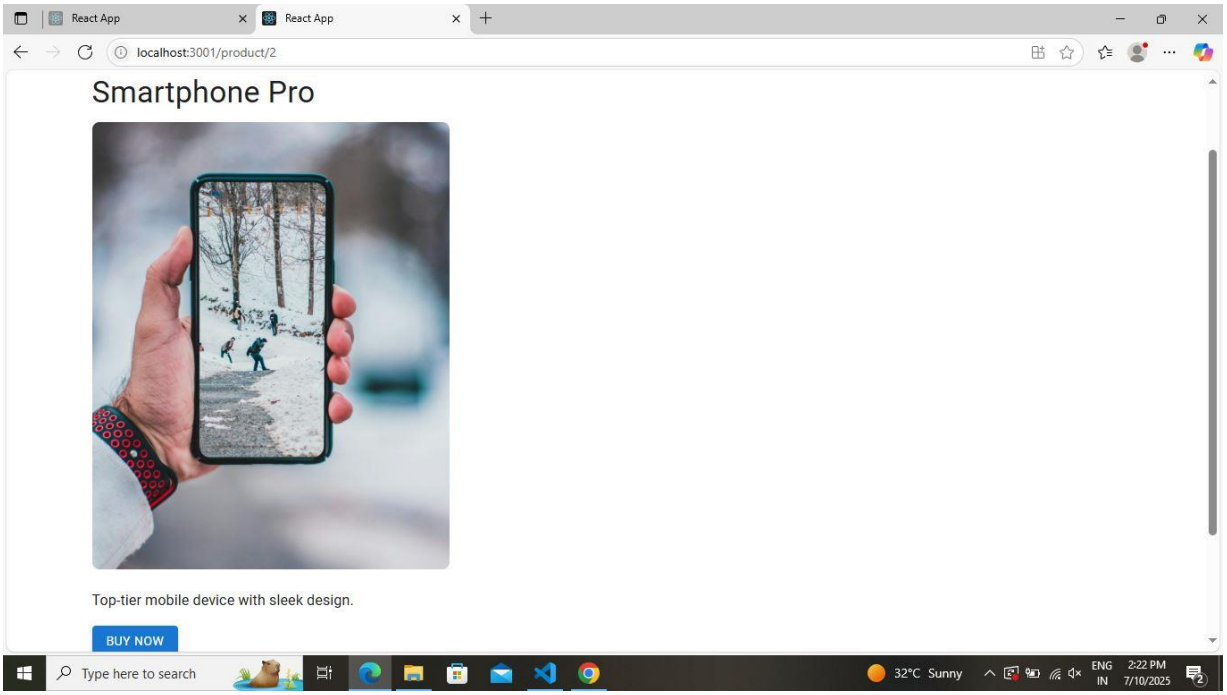
By completing this task, you will gain practical experience in:

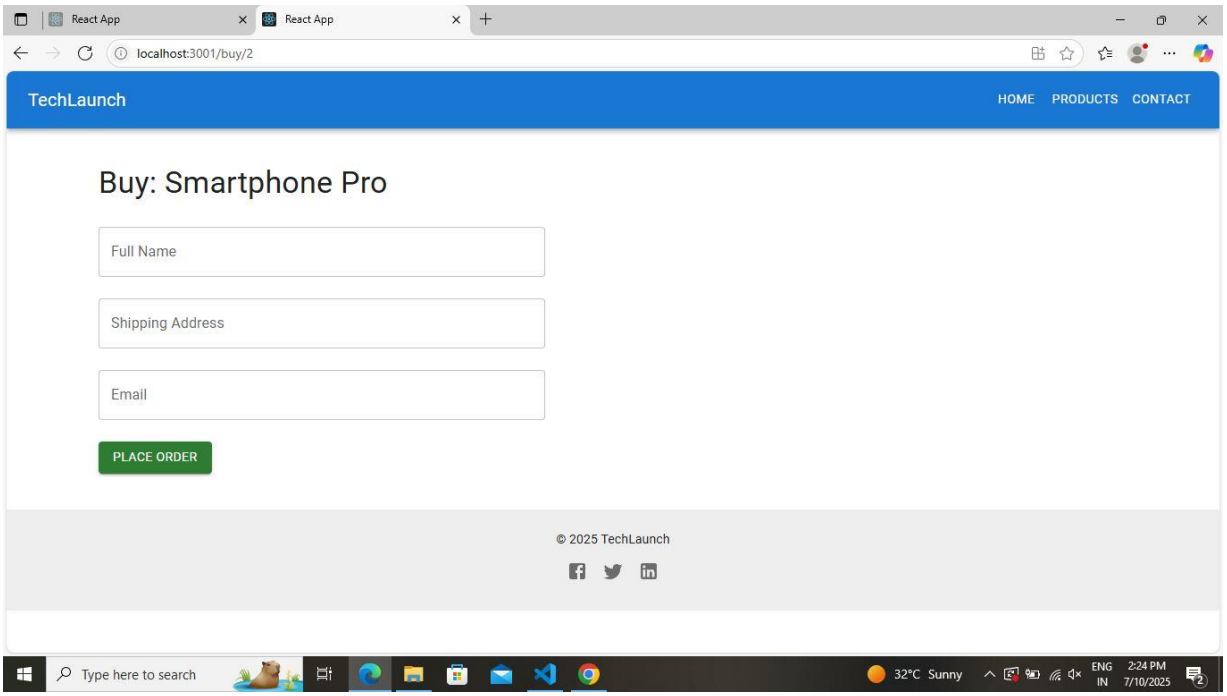
- Building a responsive and modern landing page
- Using Material UI components and layout systems
- Organizing and mapping dynamic UI from data arrays
- Applying professional design using MUI without custom HTML or CSS

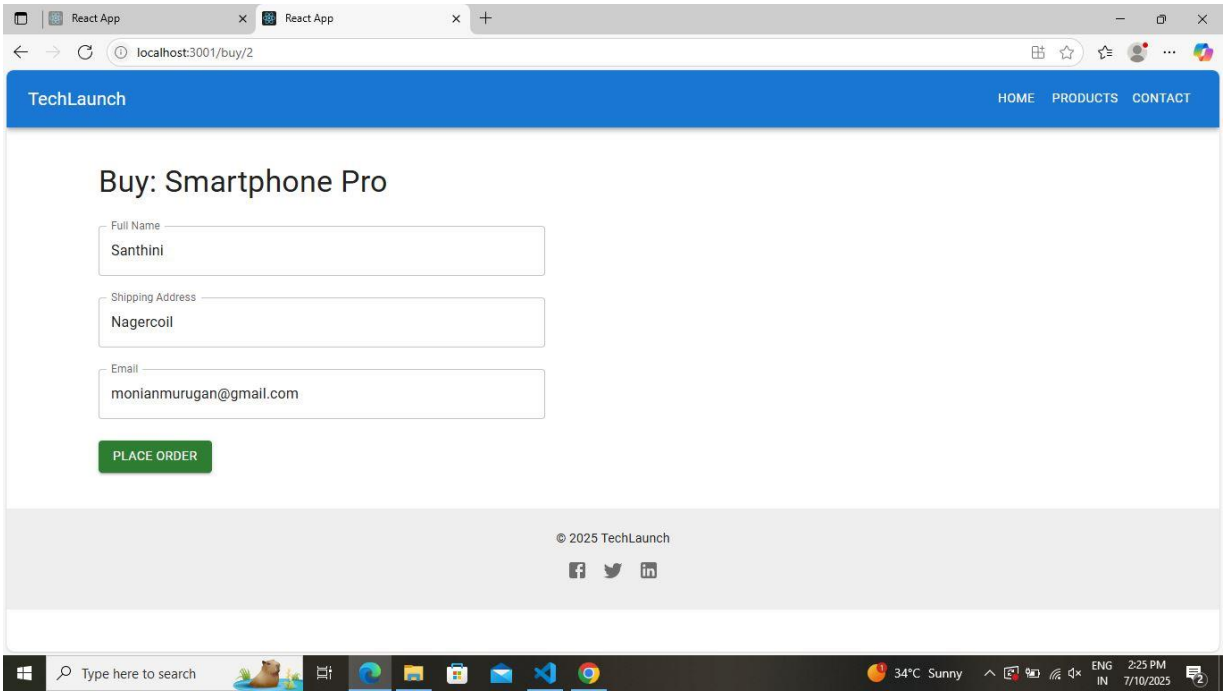



React App
React App
localhost:3001
High Performance
Optimized for multitasking.
Battery Life
Work all day without charging.
Secure
Advanced protection built-in.
Connectivity
Fast and reliable internet access.
Our Products
XTech Laptop
A powerful laptop for professionals.
VIEW DETAILS
Smartphone Pro
Top-tier mobile device with sleek design.
VIEW DETAILS
Tablet Z
Portable and powerful for work and play.
VIEW DETAILS
What Our Customers Say
"Amazing product quality!"
– Alex
"Outstanding customer service."
– Jordan
Type here to search
32°C Sunny
ENG
IN
2:20 PM
7/10/2025


React App
React App
localhost:3001
XTech Laptop
A powerful laptop for professionals.
VIEW DETAILS
Smartphone Pro
Top-tier mobile device with sleek design.
VIEW DETAILS
Tablet Z
Portable and powerful for work and play.
VIEW DETAILS
What Our Customers Say
"Amazing product quality!"
– Alex
"Outstanding customer service."
– Jordan
© 2025 TechLaunch
Type here to search
32°C Sunny
ENG
IN
2:21 PM
7/10/2025


React App
React App
localhost:3001/product/2
Smartphone Pro
Top-tier mobile device with sleek design.
BUY NOW
Type here to search
32°C Sunny
ENG
IN
2:22 PM
7/10/2025


React App
React App
localhost:3001/buy/2
TechLaunch
HOME
PRODUCTS
CONTACT
Buy: Smartphone Pro
Full Name
Shipping Address
Email
PLACE ORDER
© 2025 TechLaunch
Type here to search
32°C Sunny
ENG
IN
2:24 PM
7/10/2025


React App
React App
localhost:3001/buy/2
TechLaunch
HOME
PRODUCTS
CONTACT
Buy: Smartphone Pro
Full Name
Santhini
Shipping Address
Nagercoil
Email
monianmurugan@gmail.com
PLACE ORDER
© 2025 TechLaunch
Type here to search
34°C Sunny
ENG
IN
2:25 PM
7/10/2025