

EXPERIMENT-6

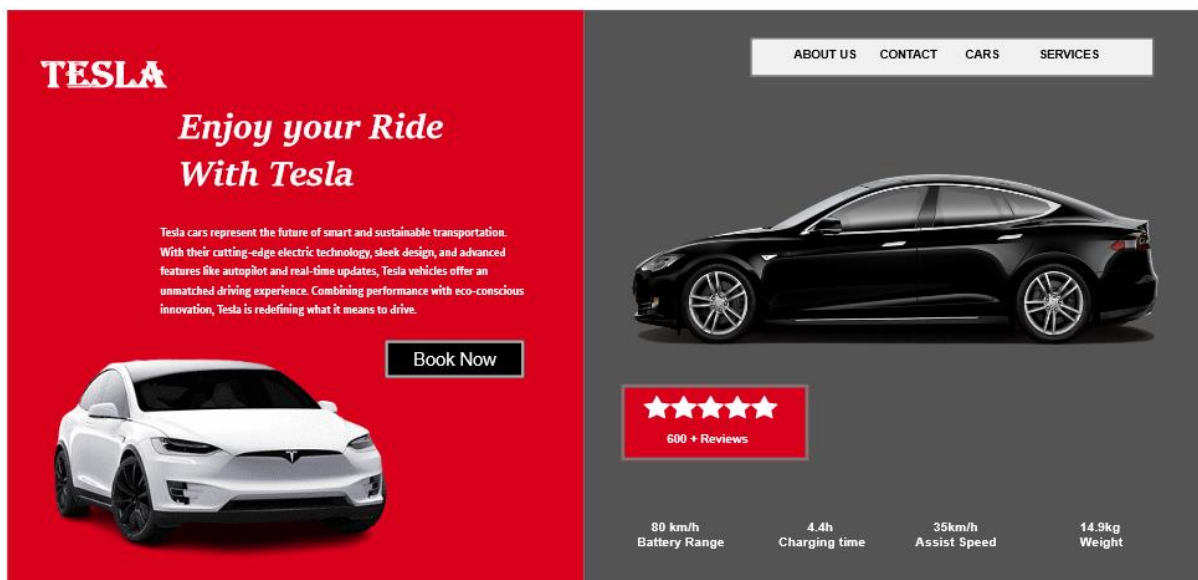
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Simulate the lifecycle stages for UI design using the RAD model and develop a small interactive interface using Axure RP

AIM:

The aim is to demonstrate the lifecycle stages of UI design via the RAD model and develop a small interactive interface employing Axure RP.



Tesla Booking Website UI Design

Tool Used: Axure RP

Development Approach: Rapid Application Development (RAD) Model

Phase 1: Requirements Planning

Key Features Identified:

- **Navigation Menu:** About Us, Contact, Cars, Services
- **Hero Section:**
 - Promotional text: “Enjoy your Ride With Tesla”
 - CTA Button: “Book Now”

- **Vehicle Display:**
 - Car Image (White & Black Tesla cars)
 - Ratings & Reviews
 - Car Specs (Battery Range, Charging Time, Assist Speed, Weight)

□ Requirements Document:

- **Functionalities:**
 - View Tesla car models
 - Read specifications and customer ratings
 - Navigate through website sections
 - Booking interaction (CTA)
- **User Stories:**
 - *As a user*, I want to view Tesla models with specs.
 - *As a customer*, I want to book a car quickly via the "Book Now" button.
 - *As a visitor*, I want to learn about Tesla's services and contact information.

🧠 Phase 2: User Design

1. Axure RP Setup:

- Install Axure RP from <https://www.axure.com>
- Create new project: Tesla Booking Interface

2. Wireframing in Axure:

Create wireframes for the following:

- **Home Page**
- **Cars Display Page**
- **Car Detail Page**
- **Booking Confirmation Page**

3. UI Components:

- **Navigation Bar:** Horizontal menu using rectangle and text widgets
- **Hero Section:**
 - Text Widget for title and description
 - Image Widget for cars
 - Button Widget for "Book Now"

- **Car Specs & Reviews:**
 - Star icons (used as images or icons)
 - Text elements for specs
- **Layout:** Two-column design (Left: Red theme, Right: Car display & specs)

4. Interactions:

- OnClick on **Book Now** → Navigate to Booking Page
- OnMouseEnter on car image → Show additional specs (optional dynamic panel)
- OnClick on **Nav Items** → Scroll or navigate to respective sections

5. Masters:

- Create **Header** and **Footer** masters for reuse across pages

6. Annotations:

Add annotations for:

- CTA buttons explaining booking process
- Specs section describing each metric
- Navigation links functionality

Phase 3: Construction

1. Interactive Prototypes:

- Add **click** interactions and **dynamic panels** for responsive effects
- Use Axure's **Preview** to simulate interactions

2. Iterative Testing:

- Collect feedback from mock users (peers/stakeholders)
- Adjust layout, spacing, interaction behavior

Phase 4: Cutover

1. Finalization:

- Export as:
 - **HTML** files for sharing
 - Or publish to **Axure Cloud**

2. User Training:

- Short video/slide presentation on:
 - Navigation

- Booking process
- Provide support material (PDF or embedded instructions)