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

Objective: To simulate the lifecycle stages of user interface design using the Rapid Application Development (RAD) model and develop a simple interactive interface for a used car marketplace.

Phase 1: Requirements Planning

This phase involved gathering the requirements for a simplified used car marketplace. The application is intended for a single user role (Customer) and focuses on a streamlined experience for browsing and purchasing used vehicles.

Key Features Identified:

- Home page displaying a list of used cars with key information (image, make, model, year, and price).
- A car details page that presents more in-depth specifications and includes a "Buy Now" button.
- A basic checkout confirmation page following the purchase action.

User Actions Defined:

- Browse a list of available cars.
- Click on a car to view more details.
- Initiate a purchase using the "Buy Now" button.

Phase 2: User Design

In this stage, wireframes were created to represent the key screens of the application. Each screen was structured for clarity, usability, and responsiveness.

Pages Designed:

- **Home Page:** Displays all listed vehicles in a card-based layout. Each card includes an image, make, model, year, and price.
- **Car Details Page:** Shows detailed information including image, full specifications, mileage, location, and a "Buy Now" button.
- **Checkout Confirmation Page:** Provides a simple acknowledgment of purchase and summarization of the transaction.

Design Components:

- Reusable layout components such as navigation bars and product cards.
- Clear visual hierarchy to guide user actions.
- Buttons and links configured for interactivity between screens.

Annotations:
All interactive elements and layout decisions were documented using descriptive labels to outline their intended functionality.

Phase 3: Construction

The prototype was developed by linking interactive elements between screens. The interface was structured to simulate a realistic user experience through simple navigation and action flows.

Development Steps:

- Implemented navigational transitions from car listings to individual detail pages.
- Configured the "Buy Now" button to lead to a purchase confirmation screen.
- Ensured consistent layout and styling across all screens.

Testing and Feedback:

- Reviewed the interface flow to verify that navigation and actions behaved as intended.
- Adjustments were made to improve the clarity and consistency of interactions.

Phase 4: Cutover

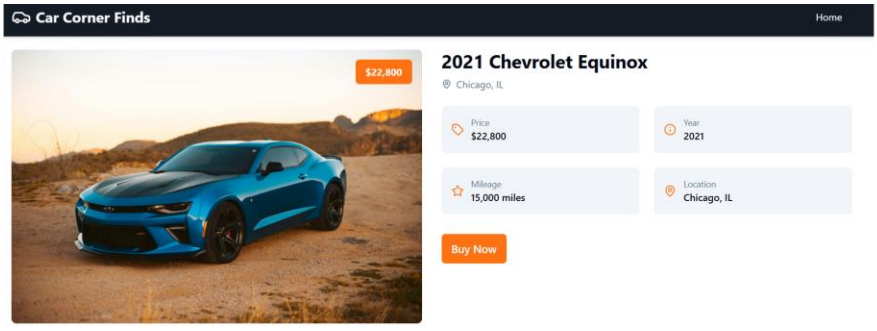
In the final phase, the interface was prepared for demonstration and review.

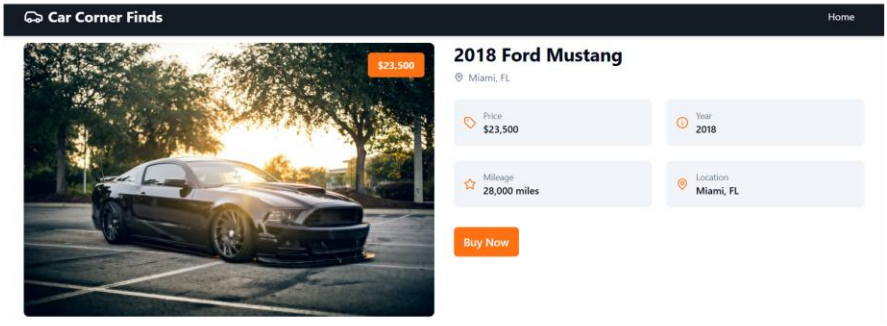
Final Deliverables:

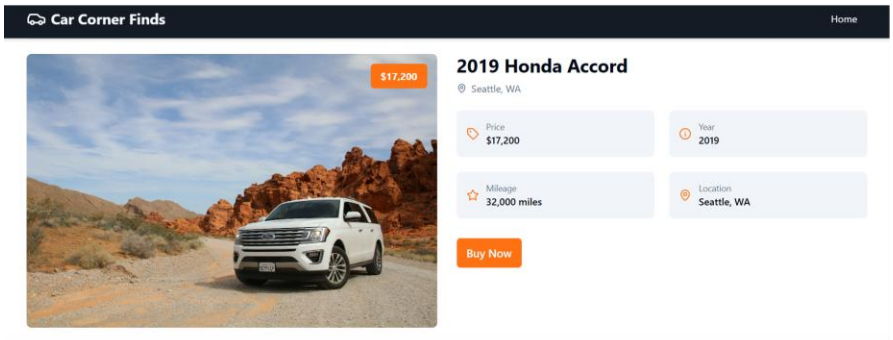
- A complete interactive prototype consisting of all planned screens.
- Structured annotations for ease of understanding and future development.
- A clean and user-friendly layout ready for potential implementation.

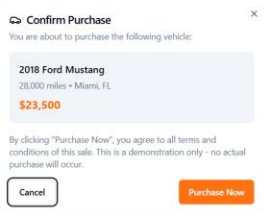
Next Steps:

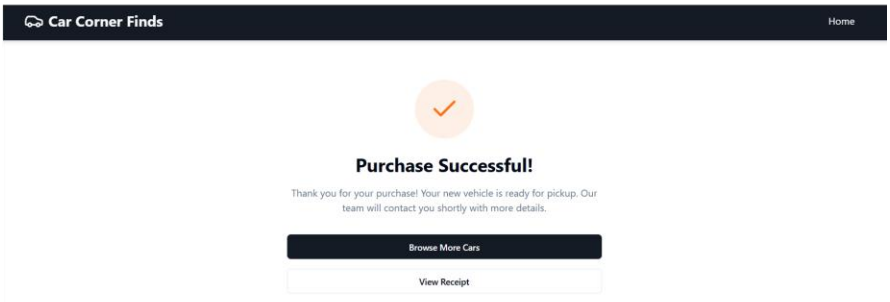
- Extend functionality to include order processing and data persistence.
- Integrate a seller-side interface and backend services for a fully functional system.
- Perform usability testing with target users to further refine the design.


Car Corner Finds
Home
$22,800
2021 Chevrolet Equinox
Chicago, IL
Price
$22,800
Year
2021
Mileage
15,000 miles
Location
Chicago, IL
Buy Now


Car Corner Finds
Home
$23,500
2018 Ford Mustang
Miami, FL
Price
$23,500
Year
2018
Mileage
28,000 miles
Location
Miami, FL
Buy Now


Car Corner Finds
Home
$17,200
2019 Honda Accord
Seattle, WA
Price
$17,200
Year
2019
Mileage
32,000 miles
Location
Seattle, WA
Buy Now


Confirm Purchase
You are about to purchase the following vehicle:
2018 Ford Mustang
28,000 miles • Miami, FL
$23,500
By clicking "Purchase Now", you agree to all terms and conditions of this sale. This is a demonstration only - no actual purchase will occur.
Cancel
Purchase Now


Car Corner Finds
Home
Purchase Successful!
Thank you for your purchase! Your new vehicle is ready for pickup. Our team will contact you shortly with more details.
Browse More Cars
View Receipt

Car Corner Finds

Home

Find Your Perfect Pre-Owned Vehicle

Browse our selection of quality used cars at competitive prices

Search by make, model, or location...

Available Vehicles

2020 Toyota Camry

25,000 miles — Los Angeles, CA

2019 Honda Accord

32,000 miles — Seattle, WA

2018 Ford Mustang

28,000 miles — Miami, FL

2021 Chevrolet Equinox

15,000 miles — Chicago, IL