**CHAPTER** **3**

*Deliverables And Evaluation*

* 1. Introduction
  2. User Manual
  3. Testing
  4. Evaluation (User Experiment)
  5. Summary

**1.1. Introduction:**

In this chapter, we present the main parts we completed in our graduation project. This includes:

A clear and simple explanation of how users can use the system (User Manual).

The testing process we followed to make sure the system works correctly (Testing).

The feedback and evaluation we received from real users (Evaluation).

**1.2. User Manual:**

How to Use the Website?

This section explains how the user can interact with the website from the beginning including login, navigation, and booking a service.

1. Login or Register Page

When users open the website, they must log in or register.

Login:

Click the Login button in the top navigation bar.

Enter your email and password.

Click Login to access your account.

A login box with blue circles

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**Register:**

If you're a new user, click the Register button.

Fill in your name, email, and password.

Click Register to create your account.

A screenshot of a login page

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**2.Home Page:**

After logging in, users land on the Home Page. This is the first main screen of the website. It shows:

A brief introduction to the Auto Repair Center.

A navigation bar at the top to help users move between pages.

A blue car on a road

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**3.Dark Mode & Light Mode Feature**

Introduction:

To improve user experience and make the website more comfortable for use during day and night, we added a feature that allows the user to switch between Light Mode and Dark Mode. This is useful for reducing eye strain and saving battery on mobile devices.

How it Works*:*

* The website starts in Light Mode by default (white background, black text).
* A blue car on a road

  AI-generated content may be incorrect.When the button is clicked, the background color and text color of the website change accordingly.

**4.Logging Out:**

If users want to log out, they can click the Logout button or icon in the top navigation bar. This will sign them out safely from their account.

A blue car on a road

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**5. Website Navigation:**

The navigation bar at the top helps users move between the following pages:

* Home – The main page of the website.
* Services – A list of repair services available.
* Contact Us – For any questions or feedback.
* My Bookings – To view or manage current bookings.
* Logout – To exit the account.

A blue car on a road

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**6.Services:**

At our Auto Repair Center, we offer a wide range of services to meet all your vehicle needs. Our goal is to ensure your safety and comfort on the road.

Our main services include:

Oil & Filter Change: Using high-quality oils to keep your engine running smoothly.

Electronic Diagnostics: Advanced tools to detect and identify car issues accurately.

Full Maintenance Check: Regular inspections to keep your car in top condition.

Interior & Exterior Cleaning: Complete cleaning with safe and effective products.

Tire Replacement & Alignment: Ensuring stability and best road performance.

Emergency Repair Services: Ready to assist you in case of unexpected breakdowns.

A blue car on a road

AI-generated content may be incorrect.

**7. Booking a Service:**

To book a repair service, the user can follow these steps:

From the Home Page, click on Services in the navigation bar.

A list of available services will appear (such as oil change, diagnostics, car wash, etc.).

Choose a service and click on Book Now.

Enter booking details like date and time, then confirm.

**8.products:**

Our Products

In addition to our maintenance services, we also offer a variety of high-quality automotive products to support your vehicle’s performance and safety.

* Available Products:
* Original Oil and Air Filters
* Engine Oils (various types)
* High-Quality Car Batteries
* Brake Pads and Systems
* Front and Rear Wipers
* LED Headlights and Car Bulbs
* Why Buy from Us?
* Guaranteed Quality
* Warranty on Selected Products
* Affordable Prices
* Book and Pick Up During Service

**1.2. Testing**

We performed several types of testing to make sure the system works correctly and without errors.

1. Unit Testing

Each function of the system (like login, register, and booking) was tested separately to ensure it works on its own.

2. Integration Testing

We tested how different parts of the system work together (for example: register → login → book a service).

3. UI Testing

We tested the website on different screen sizes (mobile, tablet, desktop) to make sure the design is responsive and easy to use.

* Bugs Found and Fixed:
* Problem with special characters in registration – Fixed.
* Booking page loading slowly – Improved.
* While testing the registration process, I noticed that the system allowed users to enter only numbers for the password, which is not secure. I updated the code to ensure that the password must contain both letters and numbers, making it stronger and more secure.
* When testing the Dark Mode feature for the first time, I found that it did not work on the first click. This was due to a small error in loading the dark mode class. After reviewing the code, I adjusted the way the classes were loaded and linked the button to the correct function, and the Dark Mode feature started working properly.

**1.3. Evaluation (User Experiment)**

Introduction:

In the evaluation phase, we conducted a thorough analysis and review of the website to assess its effectiveness and quality based on real user feedback. The goal was to ensure that the website functions correctly, meets user needs, and provides a comfortable and easy user experience.

Evaluation Process:

* User Testing: We asked a group of real users to test the website. They created accounts, browsed different pages, and selected various services and products.
* Feedback Collection: User feedback was gathered on ease of use, speed, and overall performance. Special attention was given to the clarity of navigation and ease of accessing different options.
* Functional Testing: We tested all main functions such as login, booking, and mode switching (Dark/Light Mode) to ensure everything worked correctly.

Evaluation Results:

* + - Ease of Use: Most users were satisfied with the ease of navigation and how easily they could access services.
    - Website Performance: The performance was excellent most of the time, with a few minor delays on slower internet connections.
    - Mode Switching: The switching between Dark Mode and Light Mode worked well but required some improvements in the initial response time.

**1.4. Summary**

In this chapter, the project of designing and developing a website for an Auto Repair Center was discussed. The main goal of the project was to create a platform that allows users to book car repair services and products online, ensuring a smooth and user-friendly experience.

Content Covered:

1. Introduction: The project idea was introduced, highlighting the importance of providing an online booking service for users to access services faster and more efficiently.

2. User Manual: A detailed guide was provided on how to use the website, starting with the registration process (Register), followed by logging in (Login), navigating between pages, and booking services. All steps were explained to make it easier for users to navigate and use the website.

3. Testing: All the basic functions of the website were tested. During testing, some issues were discovered, such as allowing passwords to contain only numbers, which conflicted with security principles. Also, the Dark Mode feature did not work on the first attempt. These issues were fixed, and the system was improved based on the feedback.

4. Evaluation: The website was evaluated through real user testing, where feedback was collected regarding ease of use, performance, and navigation within the site. Key features such as booking and switching between light and dark modes were also tested. Based on the evaluation results, some improvements were made to enhance the user experience and ensure optimal performance.

5. Results: The website was confirmed to work properly for all essential functions, with additional improvements made, such as strengthening password security and enhancing the responsiveness of the dark mode feature.

Future Recommendations:

* Improve website performance on slower networks.
* Add additional features, such as email notifications or order tracking, to further enhance the user experience.