



Impact Makers (Luxury Car Rental Website)

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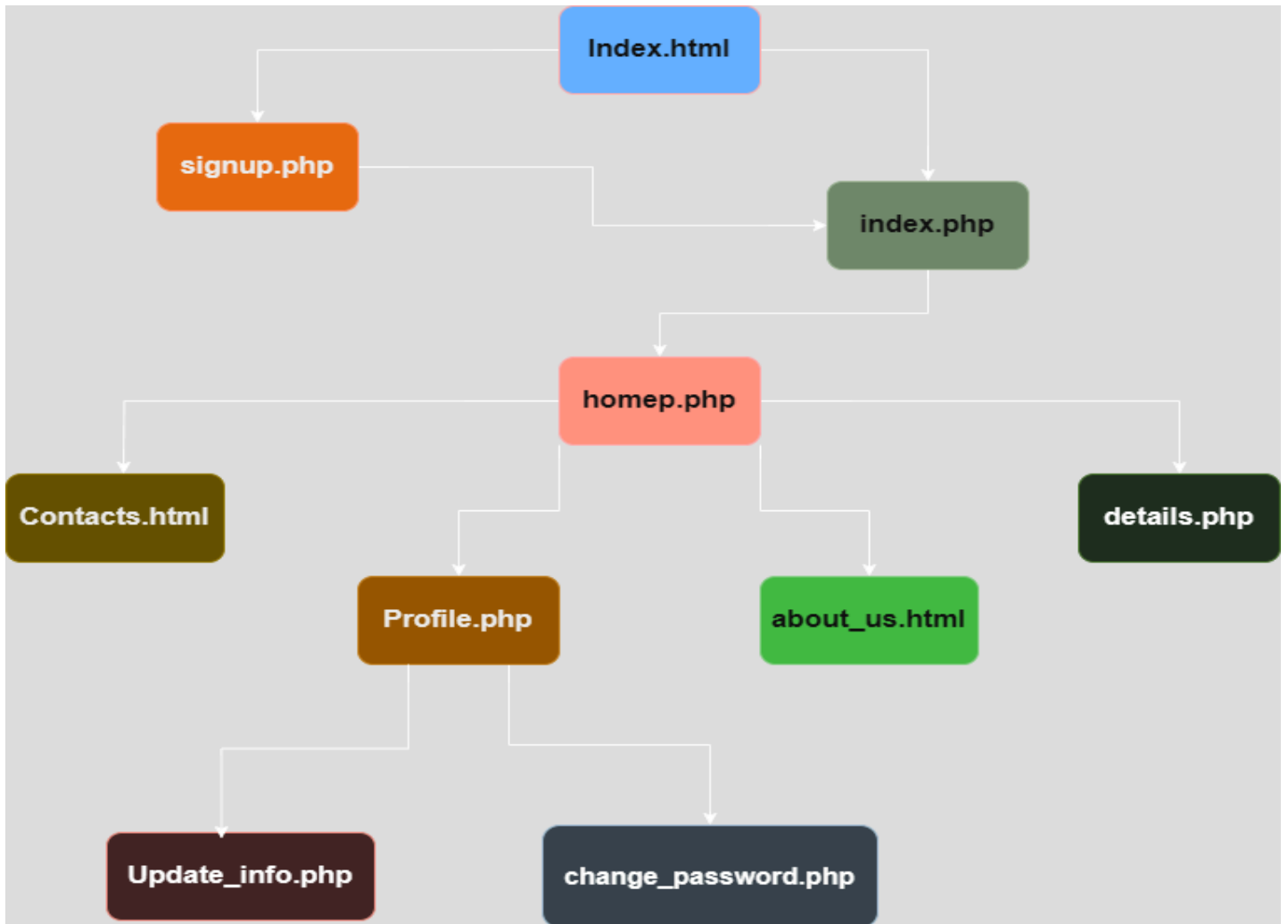


Introduction

– The purpose of this project was to create a website for a luxury car rental service. The idea is simple: users should be able to sign up, log in, view cars, filter through them, and rent one easily. We built this website using a combination of tools that we will talk about below in this report. The site is made up of several pages, each serving a specific function in the car rental process. Below, you can find a breakdown of what each one does.

Technologies Used

- HTML & CSS: This is used to create the structure and style the pages.
- JavaScript: for dynamic behavior and form interaction.
- PHP: To handle the backend part and to connect the web page with the database.
- MySQL (Via XAMPP): Used as the database to store users' data, car details, and rental info.
- EmailJS: integrated into the contact page so we can receive the user's messages via our email.





1. Landing Page (index.html)

- This is the first page that the user will see when he reach the website where he can choose between to buttons either he login if he is already a known user and he is info is saved in the database or he signup if he is a new user and it's his first time to create an account on this website the page only include HTML & CSS for the redirecting and the style of the page

2. Sign Up (signup.php)

- When the user clicks the sign-up button, they're taken to a form where they enter:

- First Name
- Last Name
- Email
- Date Of Birth
- Password

After submitting this information, it is saved to the database, and the user is redirected to the login page. PHP is used on this page so that the information that the user enters can be saved directly into the database.

3. Login Page (index.php)

- Here, users enter the email and password they just signed up with. If the credentials are correct, they're logged in and redirected to the homepage. We also used PHP on this page so that it can check if the entered email and password already exist in the database or not.

4. Homepage (homp.php)

- Once logged in, users see a full list of available luxury cars in a card format, each row containing 4 cards. This page includes:

- A **filter bar** to filter cars by model year, price range, car brand, or type.
- A **search bar** to find specific cars.
- A **navigation bar** on the left side of the screen that appears on every page. The sidebar includes links to:
 - My Profile
 - Contacts
 - Logout
 - About Us
 - Home Page

5. Profile Page (profile.php)

- Shows the user's:

- First Name
- Last Name
- Email
- Password "Which is hidden for security"

On this page, there are two options:

- Change Password (change_password.php)
 - On this page, you will be able to change and update the password saved in the database, but you will need to enter the current password first before entering the new one.



- Update Info “update_info.php”
 - On this page, users will be able to update their email, first & last name, and also add a phone number to their account.

6. Contact Page “contacts.html”

- This page includes a contact form where users can:

- Enter their name, email, phone number, and a message

Once submitted, the message is sent directly to our support team using **EmailJS**. The page also includes:

- Our contact number
- Support email
- Physical location of the store

7. About Us “about_us.html”

- A simple page that explains what the website is about. It also includes links to our:

- Facebook
- Instagram
- Twitter
- Whatsapp

8. Logout “logout.php”

- This page logs the user out and redirects them back to the login page.

9. Car Details Page “details.php”

Probably the most important page. When a user clicks the "Rent" button under a car on the homepage, they're taken here.

They'll see:

- Car details: Plate number, model year, car type, price per day, and whether it's available or not.

Then they enter:

- Start date and end date of the rental
- Credit card number
- Expiration date
- CVC code

The site then calculates the **total cost** based on the number of days and the price per day. Once submitted, the rental is saved to the database, and the user is redirected to the homepage.

10. Database Connection “db_connection.php”

- This file's job is simple: **it connects the website to the MySQL database**. Instead of repeating this connection code in every PHP file, we include db_connection.php at the top of our files. This is a best practice because it keeps the code cleaner and more maintainable.

Admin Side:

Admin Login:

Admins have a separate login to access restricted tools.

Admin Dashboard contains direct links to control the system.

Admin can:

- Add, update, or delete cars.
- View and manage user accounts.
- Handle customer reservations.

Main Features Summary

- User Registration & Login
- Car browsing with filters and search
- Profile management (update info and password)
- Contact form with email support
- Car details and booking system with price calculation
- Persistent navigation bar across all pages