

**Overview-**This document provides an overview of the development process and architecture of the project

**Project Description-**The project is a web application called "Cars-Drahokoupil" designed to provide information about cars and allow users to browse and search for car models

**Technologies Used:**

Front-end: HTML, CSS, JavaScript

Back-end: PHP, MySQL

Framework: Laravel

**Development Process-**The project was developed following an iterative and agile approach. The development process can be summarized as follows

**Requirement Gathering:** Gathered requirements from the client and created a detailed specification document.

**Design:** Created wireframes and UI designs for the application.

**Database Design:** Designed the database schema to store car information

**Front-end Development:** Developed the user interface using HTML, CSS, and JavaScript

**Back-end Development:** Implemented the server-side logic using PHP and Laravel framework.

**Integration:** Integrated the front-end and back-end components.

## Architecture

The project follows a client-server architecture. The front-end is built using HTML, CSS, and JavaScript, and it communicates with the back-end server implemented in PHP using the Laravel framework. The server connects to a MySQL database to retrieve and store car information.

## Conclusion

This document provides an overview of the project's development process, technologies used, and architecture. It serves as a reference for understanding the project and can be used for future maintenance and enhancements.

How to start the project?- Just download the project and open the index folder that opens in the browser.

The following things were used in the project:

- 1) <https://swiperjs.com> - Touch slider and framework with hardware accelerated transitions // used in swiper-bundle.min.css
- 2) <https://scrollrevealjs.org/> - ScrollReveal is a JavaScript library for easily animating elements as they enter/leave the viewport. //used in scrollreveal.min.js
- 3) <https://www.kunkalabs.com/mixitup/> - animated DOM manipulation on top of native CSS layout. A high-performance, library for animated filtering, sorting and more. //used in mixitup.min.js