Student ID: 18016286

Login details for default user in car company website: Phone number = **1111111111** Password = **cane**

Website path: <http://localhost/18016286/index.php>

Number of words (excluding Task Table):

|  |  |
| --- | --- |
| **Task** | **Comments** |
| 1. Car company webpage | Page shows categories of cars using ajax, has links to login and register page. When user is logged in order history and place order buttons are present too. |
| 1. Submit the SQL files to generate the tables in the car company | SQL files are working and have been placed into the “sql” folder in the project directory. |
| 1. Login page | Existing users can login with the correct combination of phone number and password. Live validation achieved via React. |
| 1. Registration page | New users can be registered, provided their name as well as phone number are unique. Live validation achieved via React. |
| 1. Security aspects (preventing attacks) of the Registration and Login page | Prepared statements have been used to prevent SQL injection attacks, passwords are stored hashed in the database so that a breach won’t compromise the user’s password, htmlspecialchars has been used to mitigate XSS attacks. |
| 1. Search engine optimization | All main pages have a title tag, a meta description, keywords, and an author. Language and character set are also specified. |
| 1. User Registration validation using React framework | Could be better, sharing state between components should be implemented in order to patch a bug that lets the user through. The server side validation still prevents us from getting the data into the db. |
| 1. Data management | 1. Customer registration table: customers that sign up are inserted into the “userer” table 2. Customer ordered table: orders placed are inserted into the “carorder” table |
| 1. Any other information (remarks) | Not much, but I would’ve liked to understand/use React in a better way. |

# Working Procedure Report for 18016286’s Car Company Website

## Introduction

The root directory of the project contains the main pages:

* Index.php: the homepage, the view allowing us to list different brands of cars as well as order them if we are logged in
* Register.php: the registration page, applies live and server-side validation and lets us register new users. Once registered we are asked if we want to proceed to the login page
* Login.php: the login page, here we can log in using phone and password (validation applied again), after successfully logging in we are redirected to the homepage
* Logout.php: we get to this page by clicking the logout button and we then get asked if we want to go to the homepage or login page (in case we want to login with a new user)
* Orders.php: the page displaying past orders. We only populate the page with the orders placed by the current logged in user
* About.php: credits and sources for the images

The root directory also contains a number of folders:

* Assets: folder containing the images used for the cars
* Elements: folder containing UI elements (only the navbar for now)
* Functions: folder containing PHP files doing set functions (like register\_user.php, order\_car.php, logout\_user.php and similar)
* Objects: folder containing PHP files representing objects used in the webapp (database and user objects)
* Sql: folder containing the .sql files needed to create tables in the database and insert the 6 cars and 1 registered user
* Styles: folder that ended up not being used at all, it should’ve incorporated all of the styling files regarding the project but very little styling actually happened