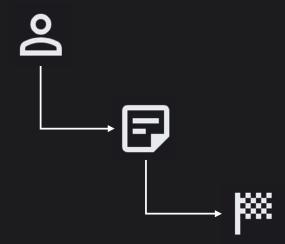
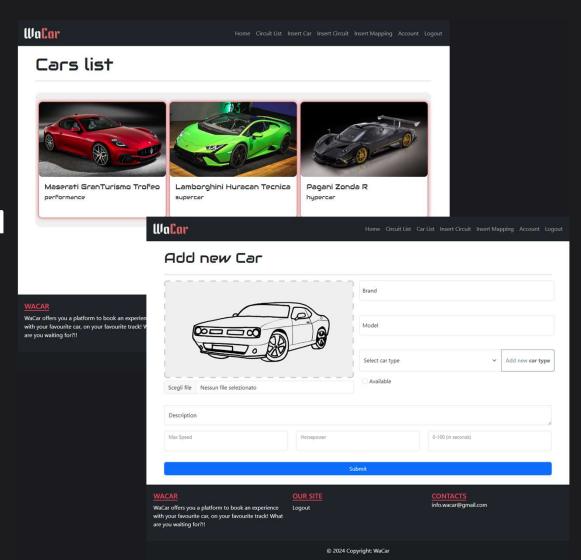
A project by

Di Martino Ludovico, Galli Filippo, Leonardi Alessandro, Rigobello Manuel, Scapinello Michele

WaCar

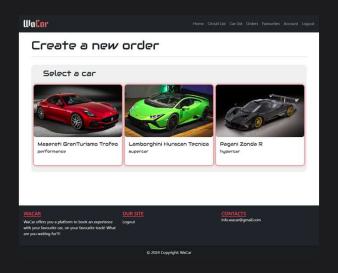
CAR EXPERIENCE MANAGEMENT SYSTEM



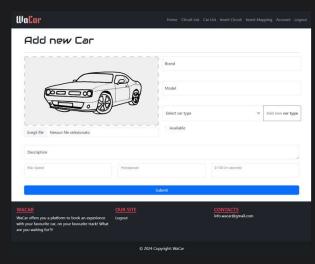


Goals

Easier way to order



Easier management of the products



User-friendly & responsive design



Types of User



Basic user

 Create and Manage her/his own orders



Administrator

- Administrator features
- Cars and Circuits management

REST Resources

URI	DESCRIPTION
/rest/{car circuit}/	LIST all CARS/CIRCUITS
/rest/user/order/create/{carType}	GET Circuits based on {CarType}
/rest/user/order/create/complete	Create the Order
/rest/user/order/{orderId}	LIST ORDER based on the ID
/rest/user/favourite/{add delete}	CREATE/DELETE favourites ORDER
/rest/circuit/{circuitName}	GET circuit with name={circuitName}
/rest/car/{carBrand}/{carModal}	GET car with brand={carBrand} and modal={carModal}
/rest/user/favourite/search/{circuitName}/{carBrand}/{carModel}	GET the favoruite with the selected values of the logged in user

REST Flow

REQUEST ---- RESTDispatcherServlet ---- Rest Resource ---- DAO

```
***

* Performs the serving logic for listing cars. Retrieves a list of cars from the database

* using a Data Access Object (DAO) and sends the JSON representation of the list to the response output stream.

* If successful, sets the HTTP status code to SC_INTERNAL_SERVER_ERROR (500) and sends an error message JSON response.

* * @throws IOException If an error occurs while writing JSON data to the response output stream.

*/

* IMchele Scapnello -1

@Overrice

protected void doServe() throws IOException {

* Message a = null;

* List</ar>

* List</ar>

* cars = new ListCarDAO(con).access().getOutputParam();

* If (cars != null) {

* LOGGER.info("Car(s) successfully listed.");

* LOGGER.info(cars.getFirst().getModel());

* res.setStatus(HttpServletResponse.SC_OK);

* new MesourceList</ar>

* cars = new Listing car(s).");

* a = new Message(

* ErrorCode.UNEXPECTED_ERROR.getErrorMessage(),

* ErrorCode.UNEXPECTED_ERROR.getErrorMessage(),

* errorCode.UNEXPECTED_ERROR.getErrorDode());

* new SetStatus(ErrorCode.UNEXPECTED_ERROR.getHTTPCode());

* new SetStatus(ErrorCode.
```

```
/**
    * Checks whether the request if for visualizing an {@link Order} and, in case, processes it.
    *
    * @param req the HTTP request.
    * @param res the HTTP response.
    * @return {@code true} if the request was for a {@code Product}; {@code false} otherwise.
    * @throws Exception if any error occurs.
    */
    lusage imanueLigobello+1
    private boolean processOrder(final HttpServletRequest req, final HttpServletResponse res) throws Exception {
        final String method = req.getMethod();

        String path = req.getRequestURI();
        Message m = null;

        LOGGER.info("I am here");

        // the requested resource was not an order
        if (path.lastIndexOf([str. "user/order") <= 0) {
            LOGGER.info("Return false");
            return false;
        }

        // strip everything until after the /order
        path = path.substring( beginnex path.lastIndexOf([str. "order") + 5);
    }
}</pre>
```

Generic Flow

```
LogContext.setResource(req.getRequestURI())
LogContext.setAction(Actions.GET_ALL_CARS);
    Post/Get
                                              m = new Message( message "Cannot search for cars: unexpected error while accessing the database.". amorCode "E288". ex.getMessage()):
                                                              olv lo="${car.orano},${car.model}" class="caro" data-toggle="modal" data-target="#carModal">
Return and
                                                                <div class="card-body">
visualization
```

protected void doGet HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException {

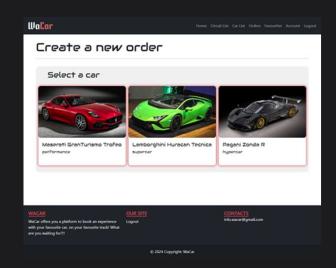
Servlet

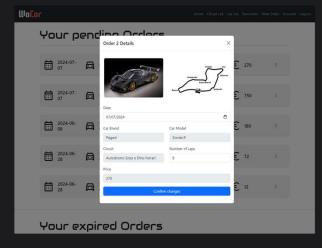
DAO

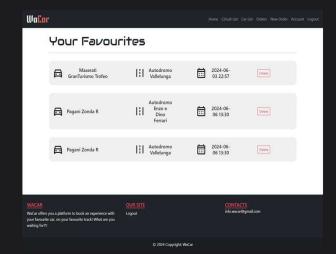


User features

Create and manage Orders





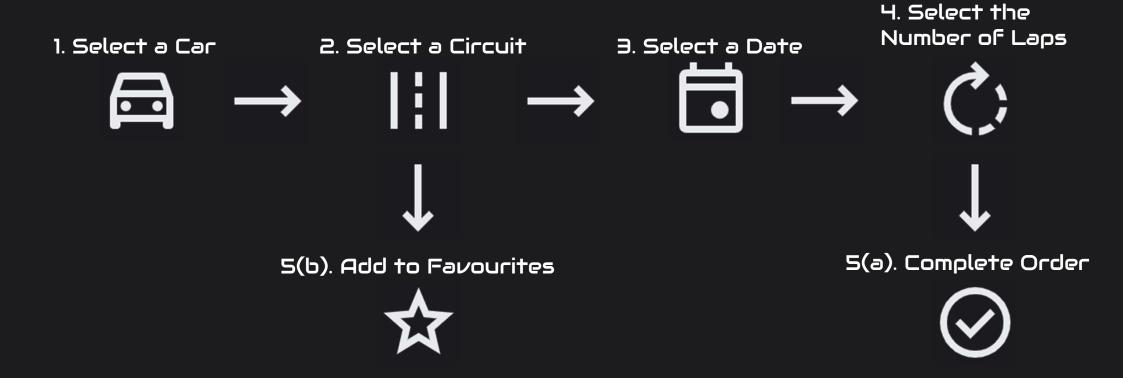


1. Create

2. Modify/Delete

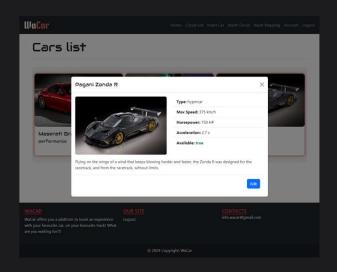
3. Favourites feature

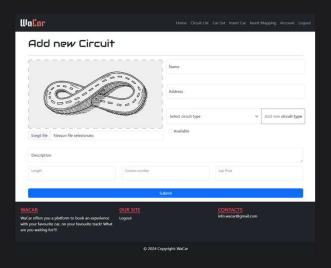
Order procedure

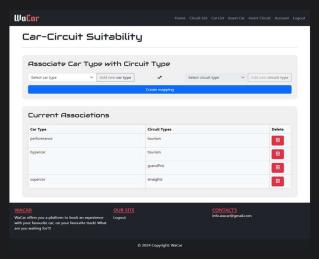


Admin Features

Cars/Circuits management





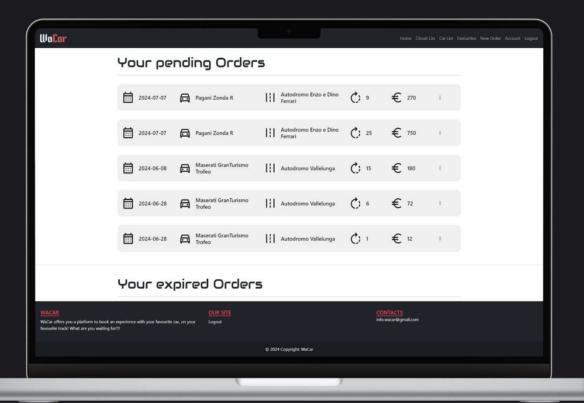


1. Edit

2. Insert

Э. Мар

Responsive Design





Conclusions

- WaCar satistifies the needs of customers and owners with its simple interface and usage
- The goal of the project has been achieved by providing a solution that facilitates the book of such experiences and the management of the offered products
- There is room for future improvements in the web application. Specifically, order management by the admin and the ability to manage order timing could be implemented.

Contributions

- Di Martino Ludovico: developed the frontend of the admin section and the order recap modal for the basic user. Created and added the favicon and the logo on all the pages of the website.
- Galli Filippo: developed the frontend for the login, the signup and the modify-order modal. Furthermore I have developed the UpdateOrder servlet and the navigation bar
- Leonardi Alessandro: developed the frontend of the list favourite page. Contributed to the development of the frontend of the list order page.
- Rigobello Manuel: developed the frontend of the list car, list circuit, their modals (with "edit" handling for the admin) and their respective REST. Developed the frontend of the create order page (no recap modal), the REST for getting the circuits based on the carType and the second modal with success/error message (error can arrive from PostgreSQL trigger). Developed the basic user Authentication header with BASIC authorization.
- Scapinello Michele: developed the frontend of the list order page and the delete order modal and servlet. Development of the footer and part of the navbar. Preparation of the slides.