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School of Information Technologies

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Car Owners Club Management Web Application's Documentation

Web Applications with C# (ICD0024) and ASP.NET Web Apps (ICD0015) project

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Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

Author: Sandra Örd

06.03.2024

Abstract

[Text]

This thesis is written in English and is [number of pages in main document] pages long, including [number] chapters, [number] figures and [number] tables.

Table of contents

Author’s declaration of originality	2
Abstract.....	3
Table of contents	4
List of figures	5
List of tables	6
1 Introduction	7
2 Overview	8
3 Main Client Positive Screen Flow Sketches.....	9
4 Summary.....	17
References	18
Appendix 1 – Entity Relationship Diagram	19

List of figures

Figure 1. Default screen.....	9
Figure 2. Account creating screen.	10
Figure 3. Pending request screen.....	10
Figure 4. Car club’s home screen	11
Figure 5. Events list.....	12
Figure 6. Event details screen.....	13
Figure 7. Event registration screen	14
Figure 8. Events list screen with a registered event	14
Figure 9. Members of the car club list.....	15
Figure 10. Member's profile screen	15
Figure 11. Car details screen	16
Figure 12. Car club’s car list screen	16

List of tables

No table of figures entries found.

1 Introduction

2 Overview

The goal of this project is to provide a system to manage different car owners clubs – clubs' members and their cars (and information regarding the cars), organized events and participants.

The web application has initially been created to enable better management for the car owners club Blacklist Tallinn and other clubs that the founders may create in the future.

The incentive behind creating the project is to provide a system for managing car clubs, that has all the necessary features and functionality to better manage the club's members' and their cars' data, organize events and keep track of all additional information involved.

The web app allows the organizers to set up events, which will have all the necessary information and details attached to it – shows the planned schedule and time table of the event, will display the participation cost, if there is one, and how much of it has been paid, enables people to ask clarifying questions, get answers and see other questions people have asked. Following the event, official photos from the event photographers will be uploaded by event organizers.

Additionally the application can be used to manage the club's members. That includes gathering and managing data about the club, such as the different car makes that are owned by the members and finding all the cars that match the selected filters. Members are welcome to enter their car details to the website and they can set the privacy level to whatever they feel comfortable with, for example other being able to only see the current cars they own or even no cars at all. Keeping their data up to date, also enables them to have a clear overview of all the cars they have owned in the past and own currently.

Managing the club members in this way also allows the members' data, including their contact information, to be organized in a much more neat manner, which makes contacting them for other purposes easier.

3 Main Client Positive Screen Flow Sketches

Upon opening the web application the client is right away incentivised to log in or create an account (Figure 1). A user who has not identified themselves is not authorized to see any information regarding the car clubs.

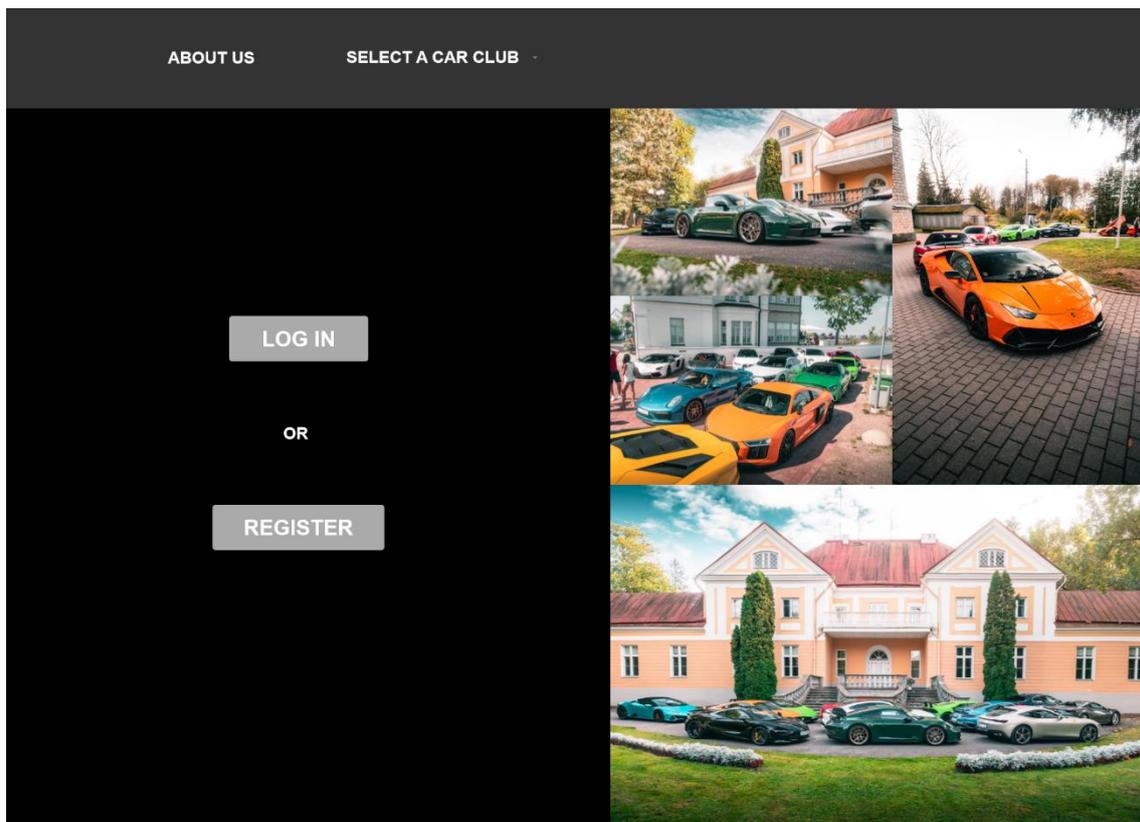


Figure 1. Default screen

After selecting the option to register a new account the client is met with the next screen where they have to enter their information (Figure 2). They have to check or not check the checkbox to let know if they are making this account to become a member of the club and therefore having access to all of the clubs information or if they are just making the account to register for an event. The latter would happen if a person, who otherwise would not qualify for the club, has been invited to join an event. In that case they only get access to the event list and no further information.

Figure 2. Account creating screen.

Once the account has been made the admins (of the club that was selected) have to either approve the person as their member, a person who is permitted to view the event or decline altogether. During this process the status of the person is pending (Figure 3).

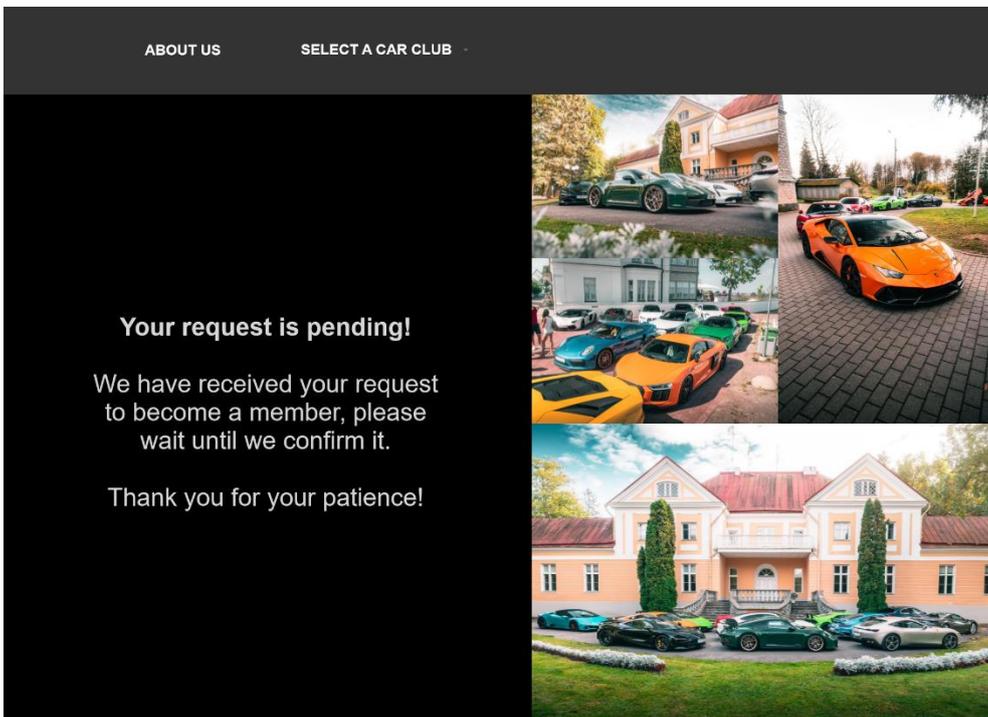


Figure 3. Pending request screen

Once the request has been accepted the person will be met with the car club’s home screen and they will be able to navigate to other parts of the application (Figure 4). Home screen features a short descriptive text of the club, a few pictures and a count down until their next event.

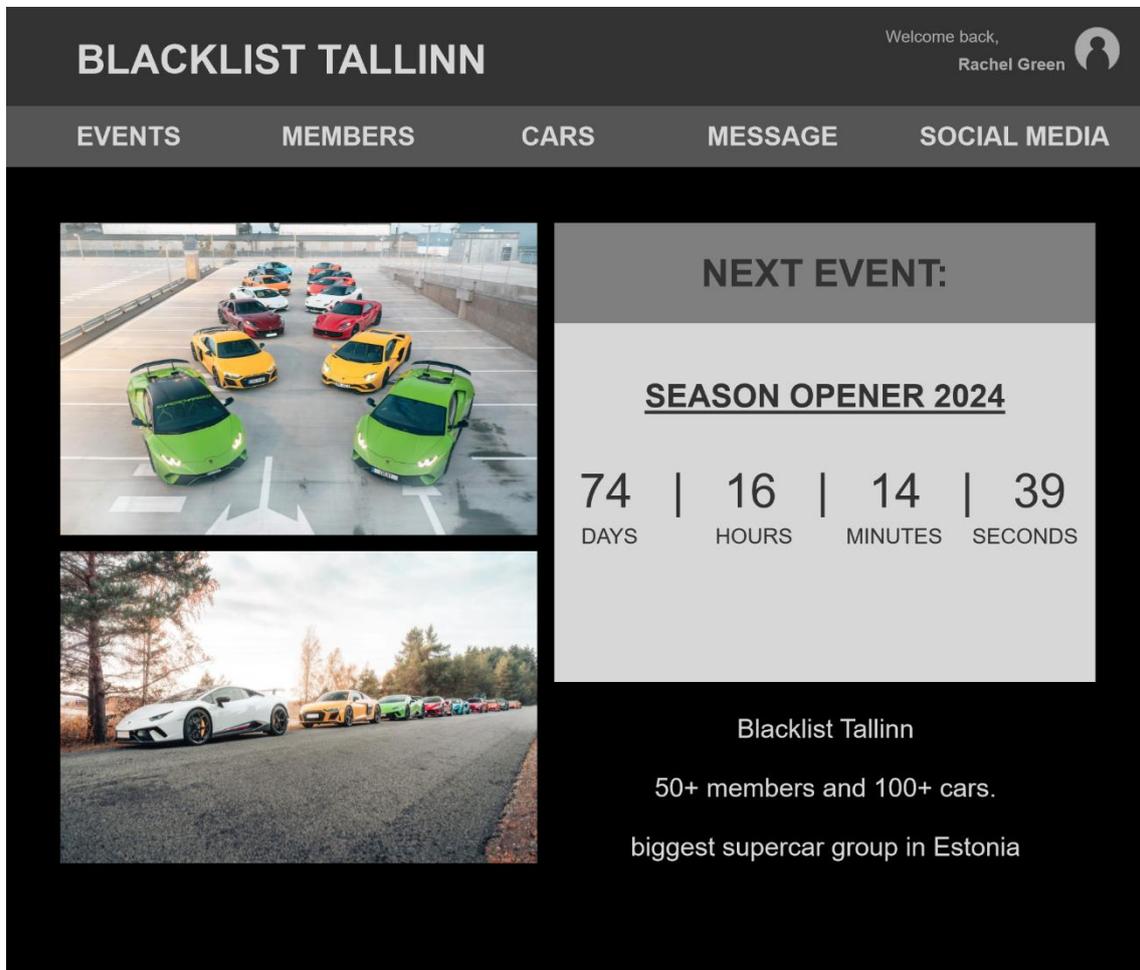


Figure 4. Car club’s home screen

Client can also navigate to the list of events that are being and have been organized by the car club from the menu (Figure 5). Events list screen shows a list of all the future planned events and a list of the previous events. All events have the option to go to the event page to find out more information about the event.

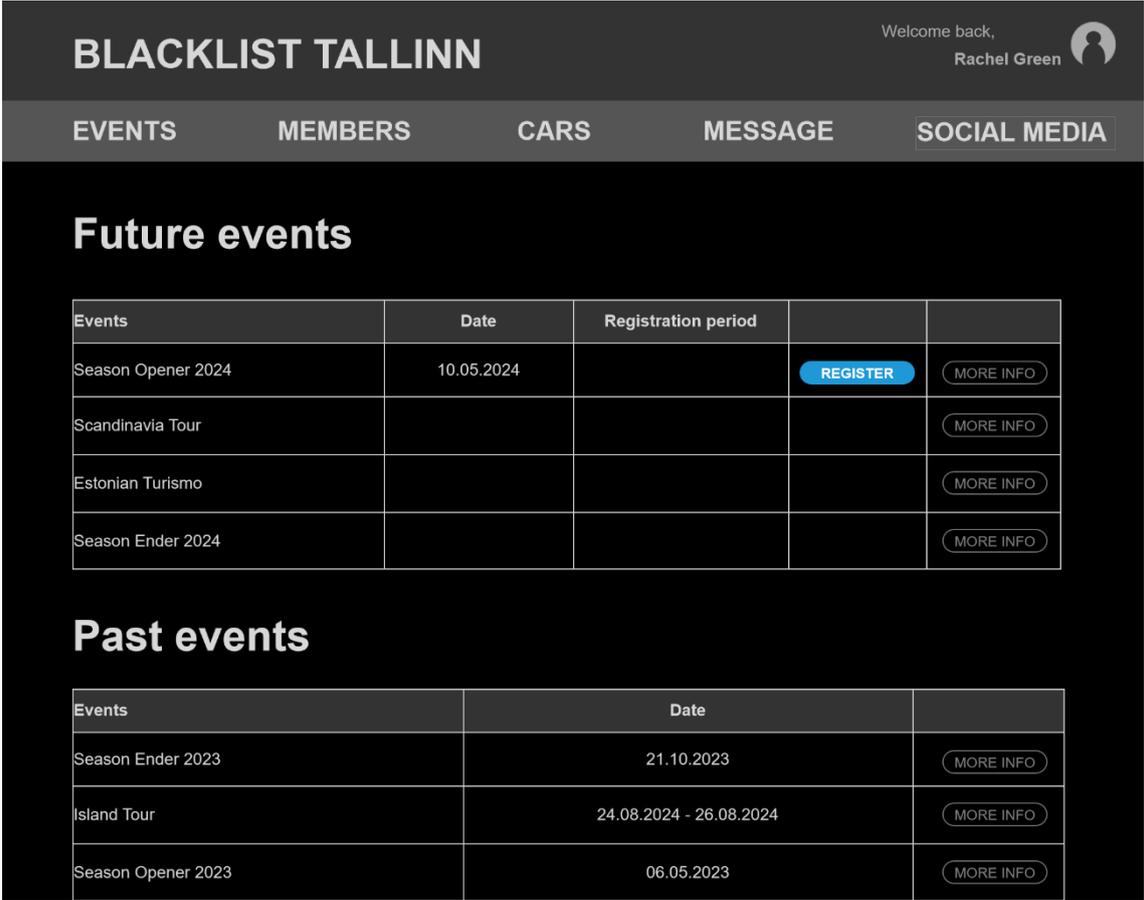


Figure 5. Events list

Once the client has chosen the event they want to read about, they will be forwarded to the event’s screen (Figure 6). This screen has the description of the event and the schedule. People can also ask questions about the events on this screen. Following the event, the photos taken will be uploaded to allow everyone to view them. On this screen the client can also move on to register themselves for this event. Once they have successfully registered and paid the registration fee, if there is one, then they will also be able to see everyone else who has registered for the event.

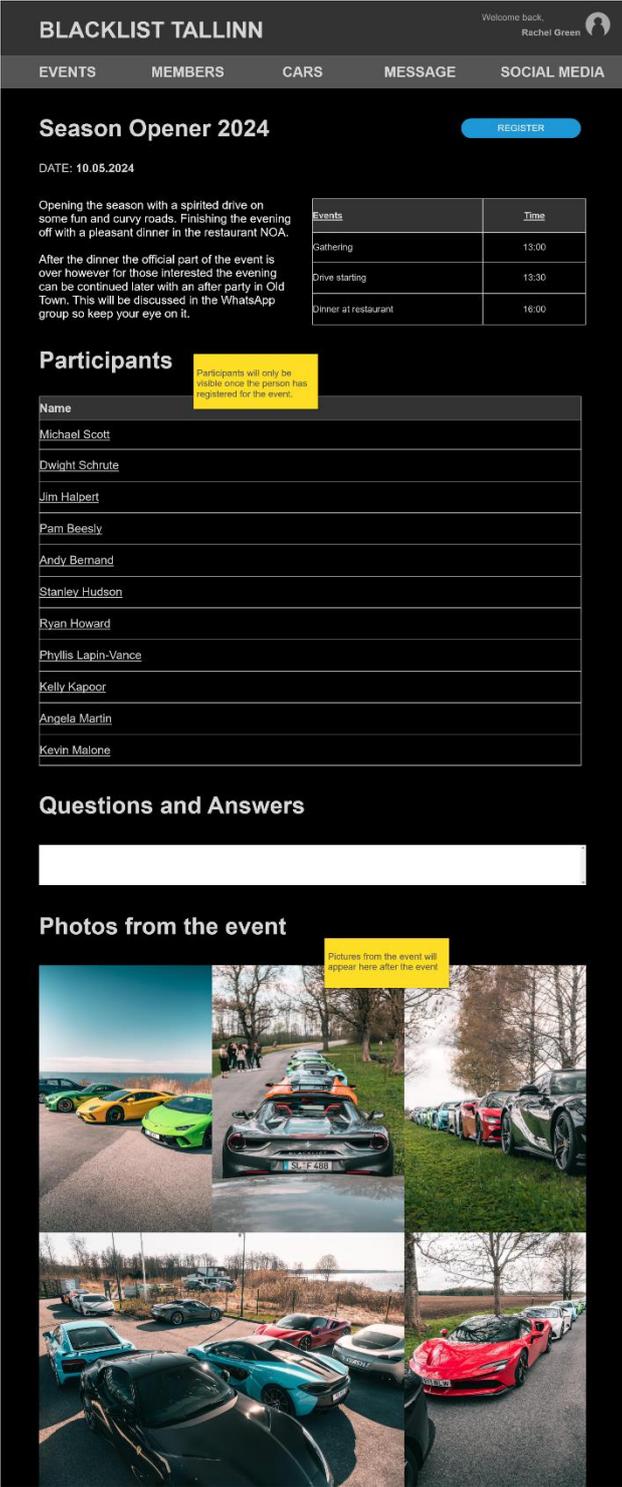


Figure 6. Event details screen

On the event registration form the client will be prompted to enter their personal information, whether they will be taking another person with them to the event and what car they will be coming with. The form will be prefilled with the personal information that the client entered when making their account, however if they wish they are able to

change the information for the registration form. They can also choose a car that they have previously entered to the website or enter another car.

BLACKLIST TALLINN Welcome back, Rachel Green

EVENTS MEMBERS CARS MESSAGE SOCIAL MEDIA

Season Opener 2024 registration

DATE: 10.05.2024

First name: Rachel

Last name: Green

Contact information: rachel.green@gmail.com

Phone number: +372 5432 1987

Taking a +1

Specify the car you are coming to the event with

Select a previously entered car

OR

Enter the details of the car

Make

Model

Plate

REGISTER

Figure 7. Event registration screen

Once the client has completed their registration, the registration button in the events list will indicate that the person has successfully registered.

BLACKLIST TALLINN Welcome back, Rachel Green

EVENTS MEMBERS CARS MESSAGE SOCIAL MEDIA

Future events

Events	Date	Registration period		
Season opener 2024	10.05.2024		REGISTERED	MORE INFO
Scandinavia Tour				MORE INFO
Estonian Turismo				MORE INFO
Season ender 2024				MORE INFO

Past events

Events	Date	
Season ender 2023	21.10.2023	MORE INFO
Island Tour	24.08.2024 - 26.08.2024	MORE INFO
Season opener 2023	06.05.2023	MORE INFO

Figure 8. Events list screen with a registered event

The client can also see the list of members in the club and their contact information (Figure 9).

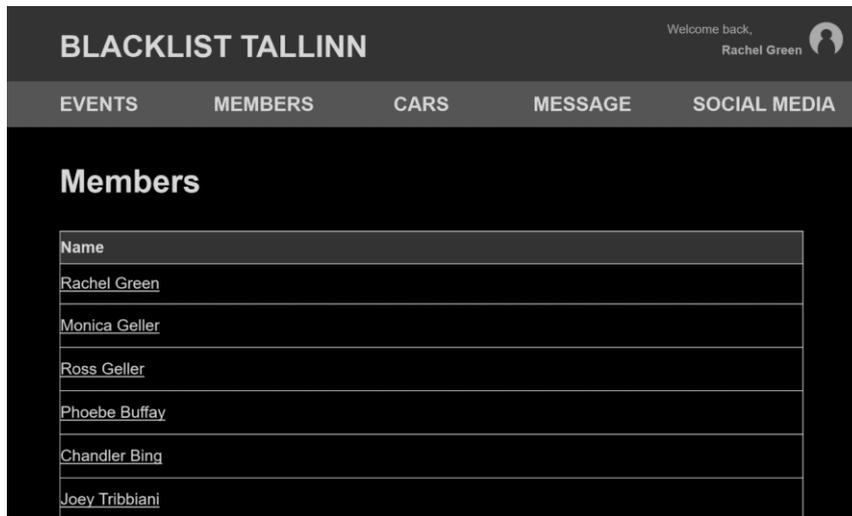


Figure 9. Members of the car club list

On the members profile screen the client can, in addition to the personal information, see the person's current and previously owned cars (Figure 10). If the client has navigated to their own profile, they also have the option to edit their information or add a car.

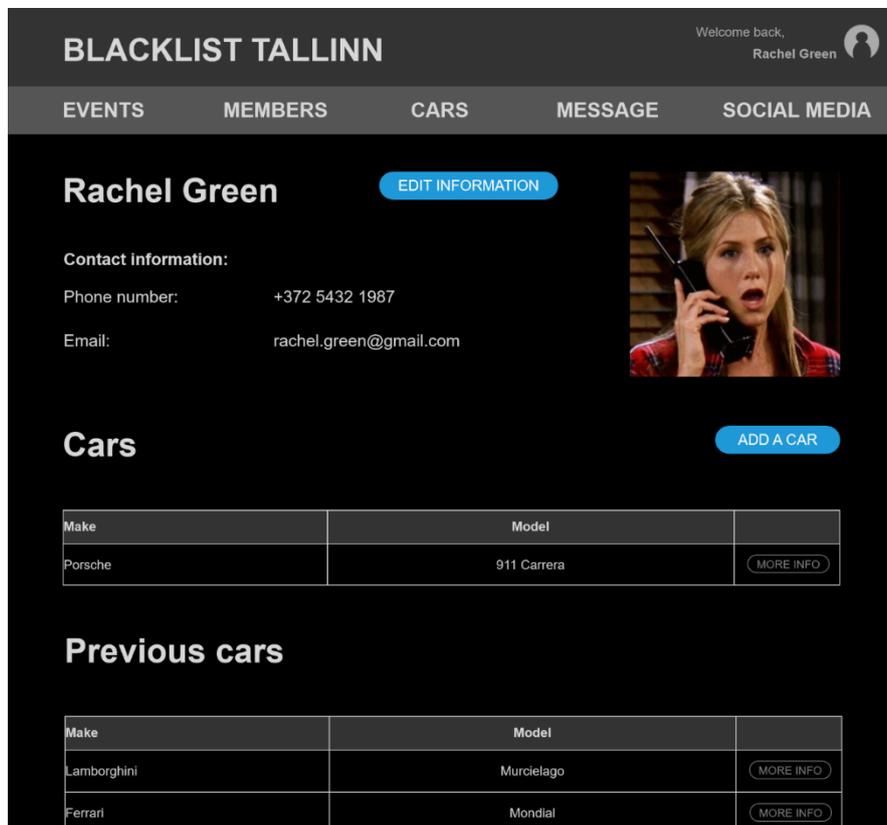


Figure 10. Member's profile screen

From the member's profile page, the client can also go to the selected car's information page (Figure 11). If the car, belongs to hem, they have the option to edit the information regarding the car. Since many owners carry the same plate from one car onto another, underneath the car information, the client can also see what cars the plate (that the car currently has) has belonged to in the past.

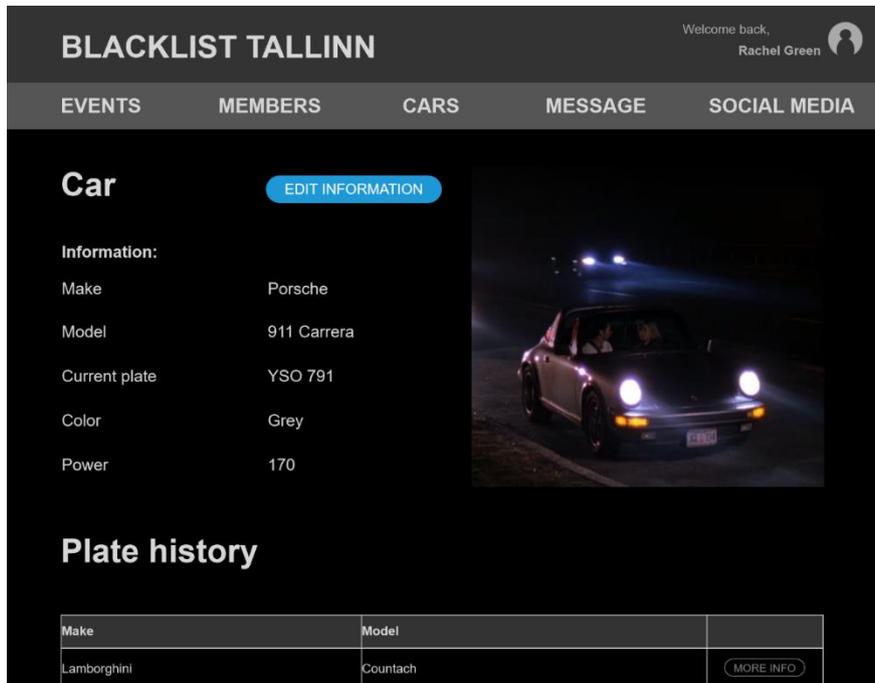


Figure 11. Car details screen

The client can also see the full list of cars that are owned by the owners that are members of the car club (Figure 12). The client can navigate to go view the cars' details from there too. In the future the client will also be able to sort and filter the cars by make and model.

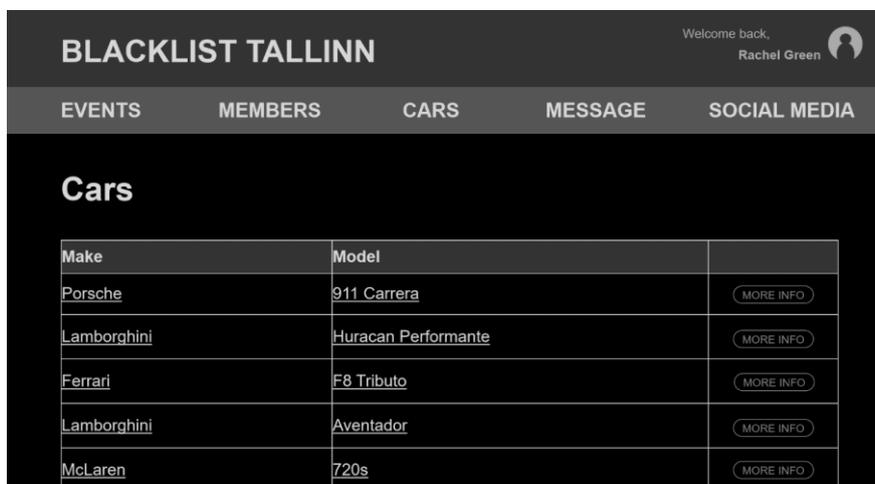


Figure 12. Car club's car list screen

4 Summary

References

There are no sources in the current document.

Appendix 1 – Entity Relationship Diagram

