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## CEWPMOD 2 – Introduction to Web Programming – Deliverable D1

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*The creation and thinking process for a website using a CRUD system.*

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(Received and approved in its final form the 16th February 2020)

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## I. Description of the project (Diamond Rims)

For this project, we decided to follow as requested a CRUD class for the conception of the website; this system follows the (Create/Read/Update/Delete) pattern.

Our storage system is a commercial website named “Diamond Rims” that’s is based on luxury cars sells. We decided to take this theme because we all like luxury and rare cars.

Our storage system is going to be a database that stores different information about all the cars like their name, brand, color, motor, description and images.

There will be two different user types for our project:

- a “client type” user that can just visualize the cars, switch for page to page, search for a specific car and see the details.

- an “admin type” user that can do everything a “client type” user can do , except that , the “admin type” will also have access to a connection page that will allow him to add , delete and modify information’s about the cars available on the website.

## II. The Importance of a Mind Map

The principle of mind mapping is here mostly as a data filter; what we could consider as a more refined “brainstorming session”. Every information in a mind map will start from a “seed” or main idea, that will be the conductive wire for the entire project.

For this project, a mind map was generated using the software “Xmind ZEN” ; where from our main seed, different ideas and possible paths got generated.

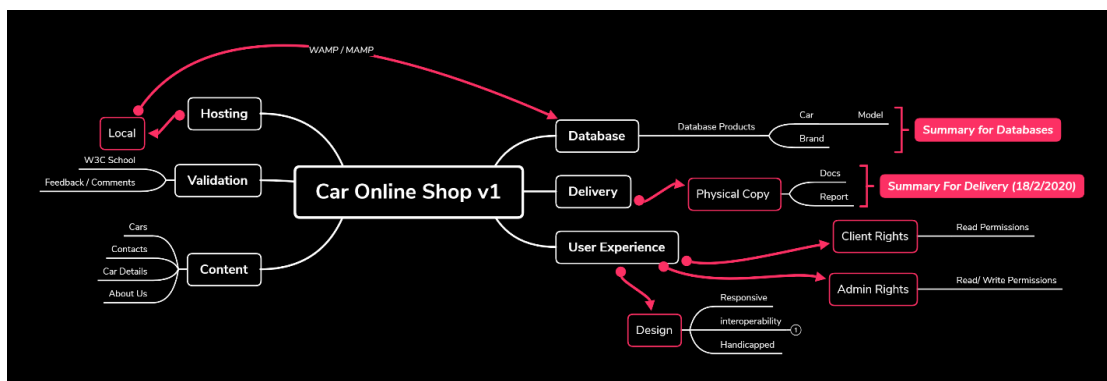


Figure 1. Mind Map generated for the Diamond Rims Project.

## III. Introduction to the Web Design process

Web Design process can be an extremely wide and complicated topic; it was decided through a common agreement to go for a more “enterprise-like” approach. Through the use of HTML mockups, the first step in this project was to generate a static mockup of the website with no CSS nor JS. (A few screenshots of the mockups are available in the attachments in the ZIP archive). The mockup will be created with a software call “Balsamic”. This one will allow a quick and concise mockup that will please the customer. To stay on a professional mindset, almost no picture will be added in the report to not clog the overall feel and look of it.

## IV. Member's Contributions

Group/Team/Unit Member	Contributions
Arnaud SAULOU	<ul style="list-style-type: none"> <li>- Database generation (using MCD).</li> <li>- WebApp Architecture and structure</li> <li>- Filling up the main database with entries</li> </ul>
Arnak TOVMASSIAN	<ul style="list-style-type: none"> <li>- Products page creation (catalog of products)</li> <li>- W3C Validation for the pages</li> <li>- Creation and handling of “Product details” dynamics pages</li> </ul>
Kevin D. YAKER	<ul style="list-style-type: none"> <li>- Finding and using BootStrap template</li> <li>- Creation of design elements for the website (Logo / Motto)</li> <li>- Creation of the “Contacts Us” and “Home”</li> </ul>
All Members	<ul style="list-style-type: none"> <li>- Creating and maintaining a GIT</li> <li>- Putting in place responsive design for every page</li> <li>- Mind map generation</li> </ul>

## V. Conclusion and current state of the website

We started working on our project and we already have an idea of what we want to do. Diamond Rims is going to be a luxury car selling website that will show all the available vehicles with the specific details about each one of them.

For the coming version, we want to add an add/modify page and a connection page in order for the administrator of the website to work on the inputs of the database. We also want to add a basket/bin option for the customers.