



Medo-Benz Project Report

**DT228/DT282
Computer Science**

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Declaration

I hereby declare that the work described in this dissertation is, except where otherwise stated, entirely my own work and has not been submitted as an exercise for a degree at this or any other university.

Signed:

Medved_____

Ivan Medved

19/12/2020

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1. Problem Description

Detailed description of the website and the content on offer.

This website is a simple car blog website. It is made out of 5 pages: home, cars, gallery, about us, and contact page.

Home page: A welcoming message for the user and a bit of news (about new cars in the world and their brief description).

Cars page: consists of different cars, their pictures and their descriptions. It is made so that cars can be added in the future to get more content on the page.

Gallery: A slideshow gallery with a lot pictures of cars that are described in cars page.

About us: Just a simple about us page with some description about the website.

Contact page: Made for the people to contact us, for the questions or if they have a car for the review.

Describe the archetypical users of the site.

The archetypical users for the site would be all car lovers, mostly people who own the driving licence and like to research cars, but also for people who don't have driving licence but still like to research cars. It is for both man and women, and could be for all ages.

But mostly in my opinion for men 18-40.

What problem does the site solve?

It saves people time while researching about some car, and deciding what to buy, it gives them information about the cars, their price, their availability, cost of using the specific car and etc.

But it can also be for fun to give people news about the new cars, and what is being produced in the world of cars.

2. Research

Research other websites similar to your site.

I researched a lot of cars blog websites, also main cars websites like Mercedes, audi, Toyota, BMW etc. To get examples of how my page should look like, this helped a lot in making of the website.

Evaluate the site layout and site content.

I decided to have 5 pages on my websites, which is enough to give a lot of informations about cars.

I will make Home page, with few pictures and news section.

Also Most needed page is cars page with all the cars and their pictures and descriptions.

Third Page will be Gallery page, with just pictures of the cars, a slideshow gallery.

Fourth will be an about us page.

And fifth just contact page.

You must look at 3 websites as part of your research.

- <https://www.mercedes-benz.com/en/>
- <https://www.toyota.com/>
- <https://www.bmw.com/en/index.html>
- <https://www.motortrend.com/>
- <https://www.autoblog.com/>

3. Technology Selection and Site Architecture

Version of HTML/CSS to be used

I will use **HTML5** version of html which is the newest version of html, and is compatible with most browsers which is perfect for this website.

I will use **CSS3** version of css the newest one with all possible tags that are used nowadays for designing a website.

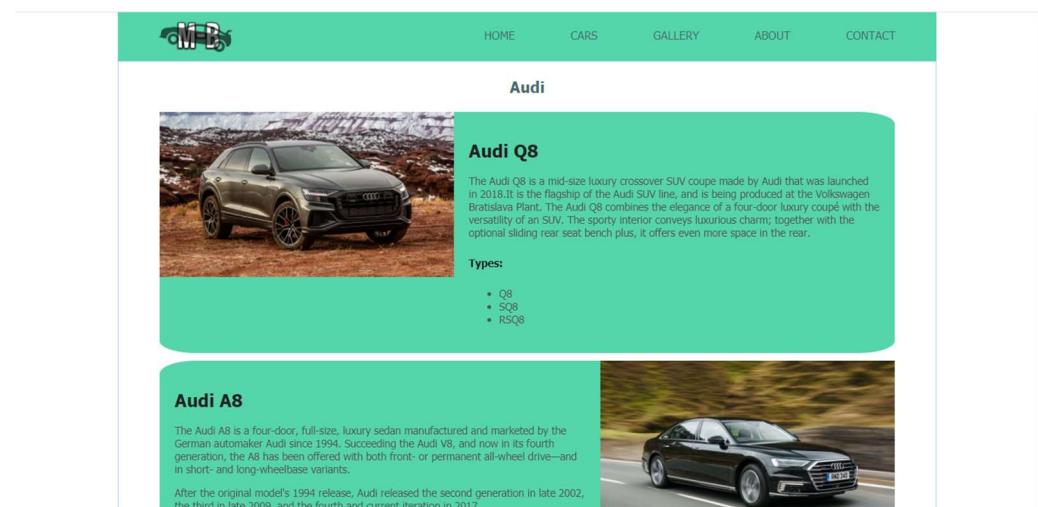
Plan for site layout and responsive design.

I am planning for my website to be responsive, and also layout will be made in box method.

I will use box method for easier designing of the website. And to make my structuring look better on the website.

My website will be responsive as I will use % and vw for all the sizes eg. width, height, font-size and etc.

Screenshots of responsive design:



Normal size laptop screen



- [HOME](#)
- [CARS](#)
- [GALLERY](#)
- [ABOUT](#)
- [CONTACT](#)

Audi

Audi Q8

The Audi Q8 is a mid-size luxury crossover SUV coupe made by Audi that was launched in 2018. It is the flagship of the Audi SUV line, and is being produced at the Volkswagen Bratislava Plant. The Audi Q8 combines the elegance of a four-door luxury coupé with the versatility of an SUV. The sporty interior conveys luxurious charm; together with the optional sliding rear seat bench plus, it offers even more space in the rear.

Types:

- Q8
- SQ8
- RSQ8

Audi A8

The Audi A8 is a four-door, full-size, luxury sedan manufactured and marketed by the German automaker Audi since 1994. Succeeding the Audi V8, and now in its fourth generation, the A8 has been offered with both front- or permanent all-wheel drive—and in short- and long-wheelbase variants.

After the original model's 1994 release, Audi released the second generation in late 2002, the third in late 2009, and the fourth and current iteration in 2017.

Types:

- A8
- S8
- RS8

Smaller laptop screen

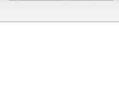
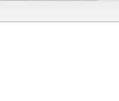
Responsive ▾ 745 x 570 100% ▾ Online ▾



Audi A3



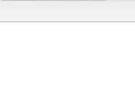




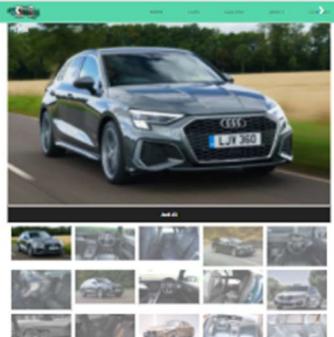




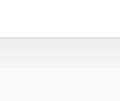
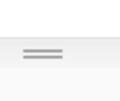
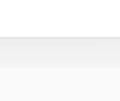



Responsive ▾ 295 x 392 100% ▾ Online ▾





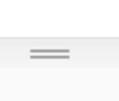
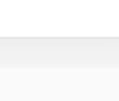








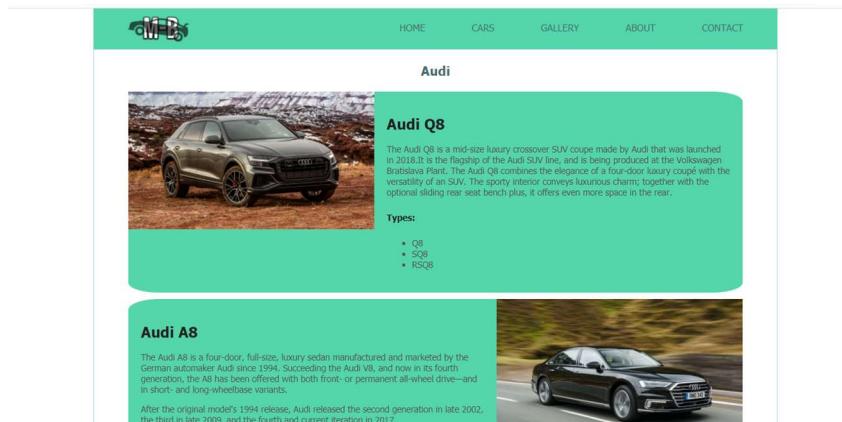


How do we expect users to view the site (Phone/tablet/PC etc...)?

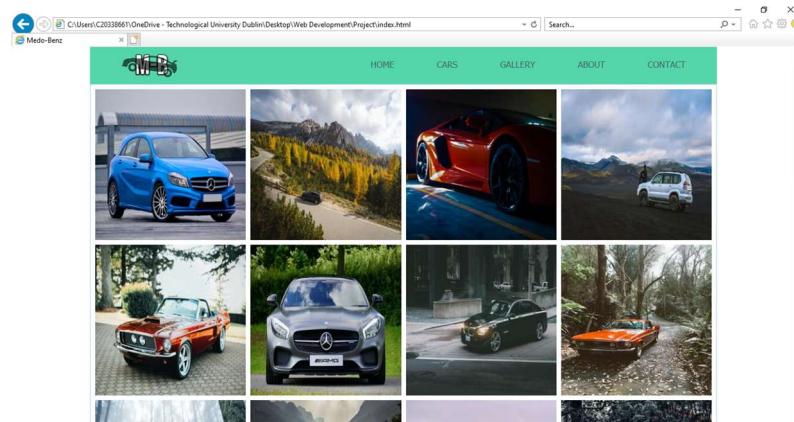
I expect that users view this website mainly from the PC, but as the website will have responsive design it will be viewable from any source (phone, tablet, laptop, TV, etc...)

Cross Browser Compatibility strategy?

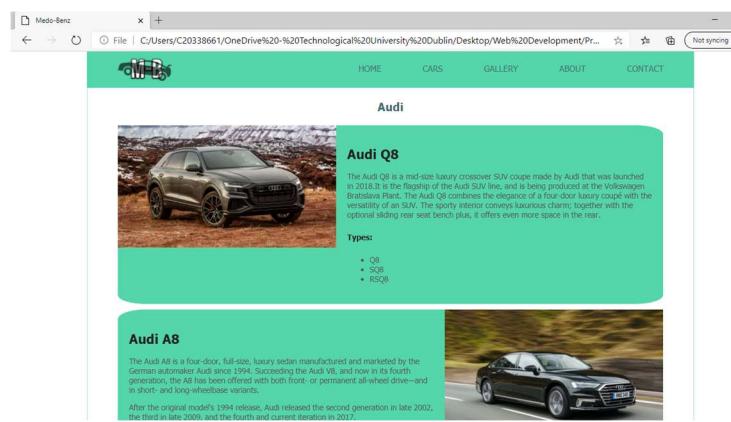
As my website will be made with html5 and css3 it should be compatible with most of the browsers, when I finish my website I will test it on few browsers and insert the screenshots of the tests here.



Google Chrome



Internet Explorer

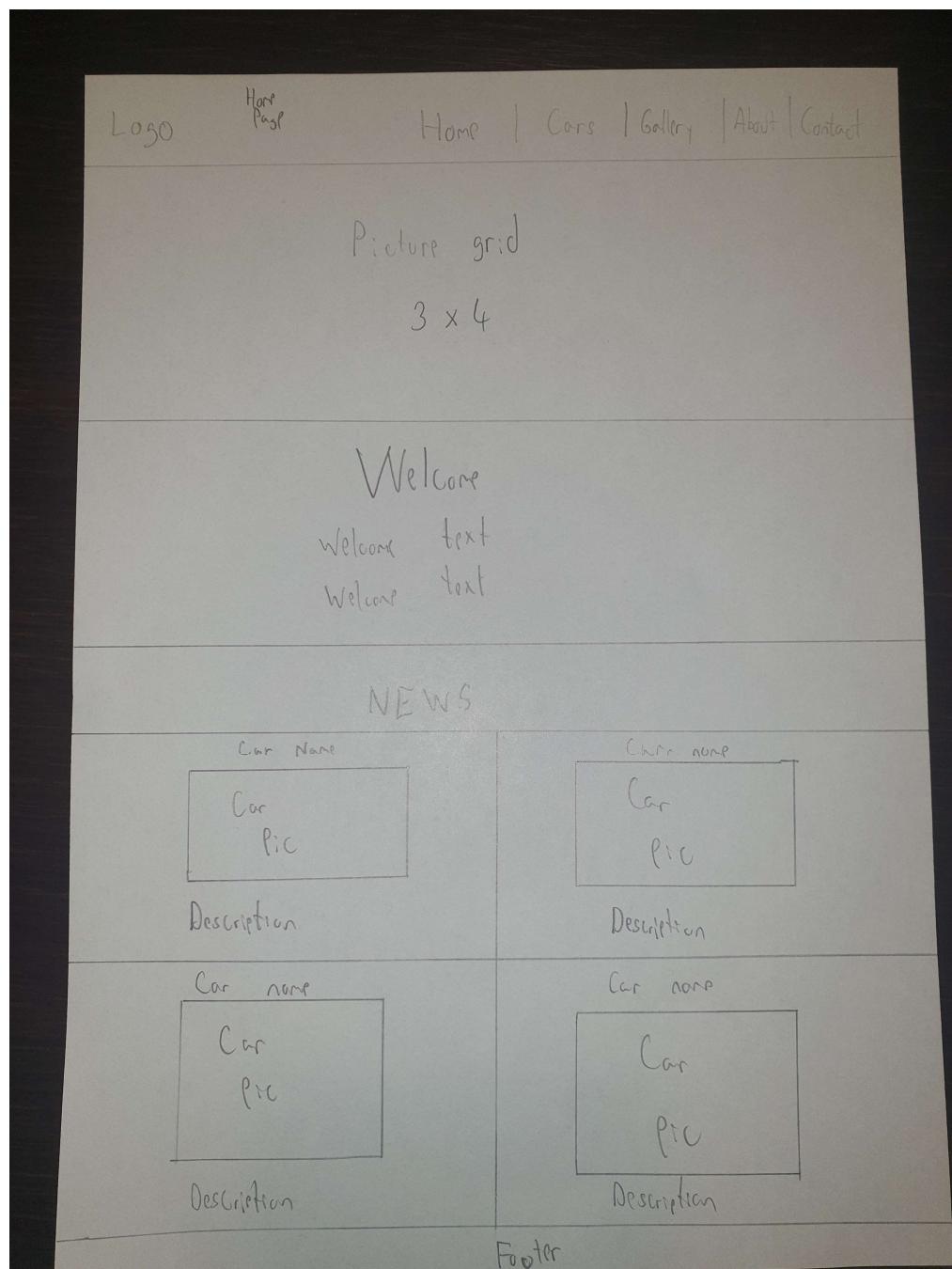


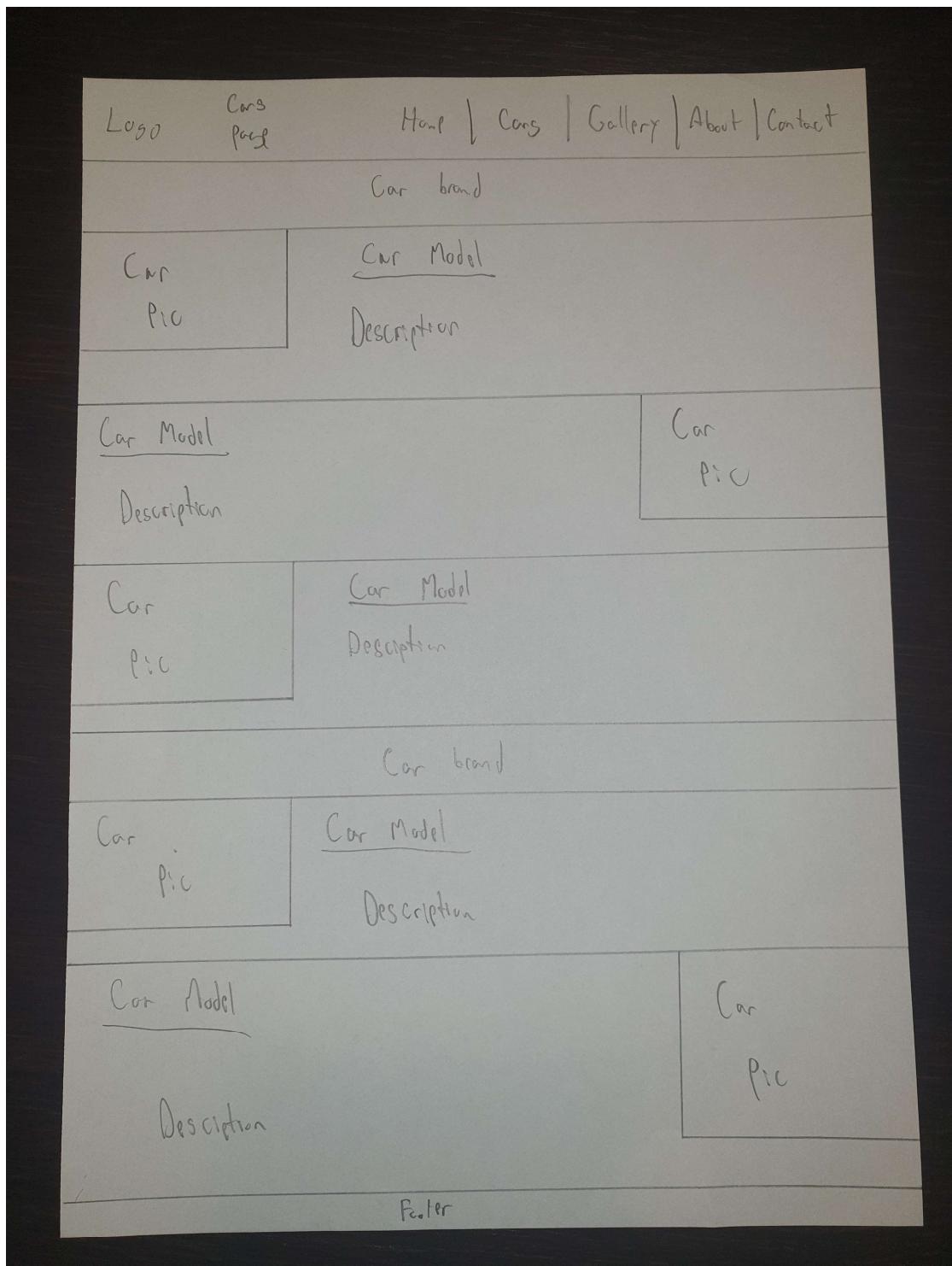
Microsoft Edge 10

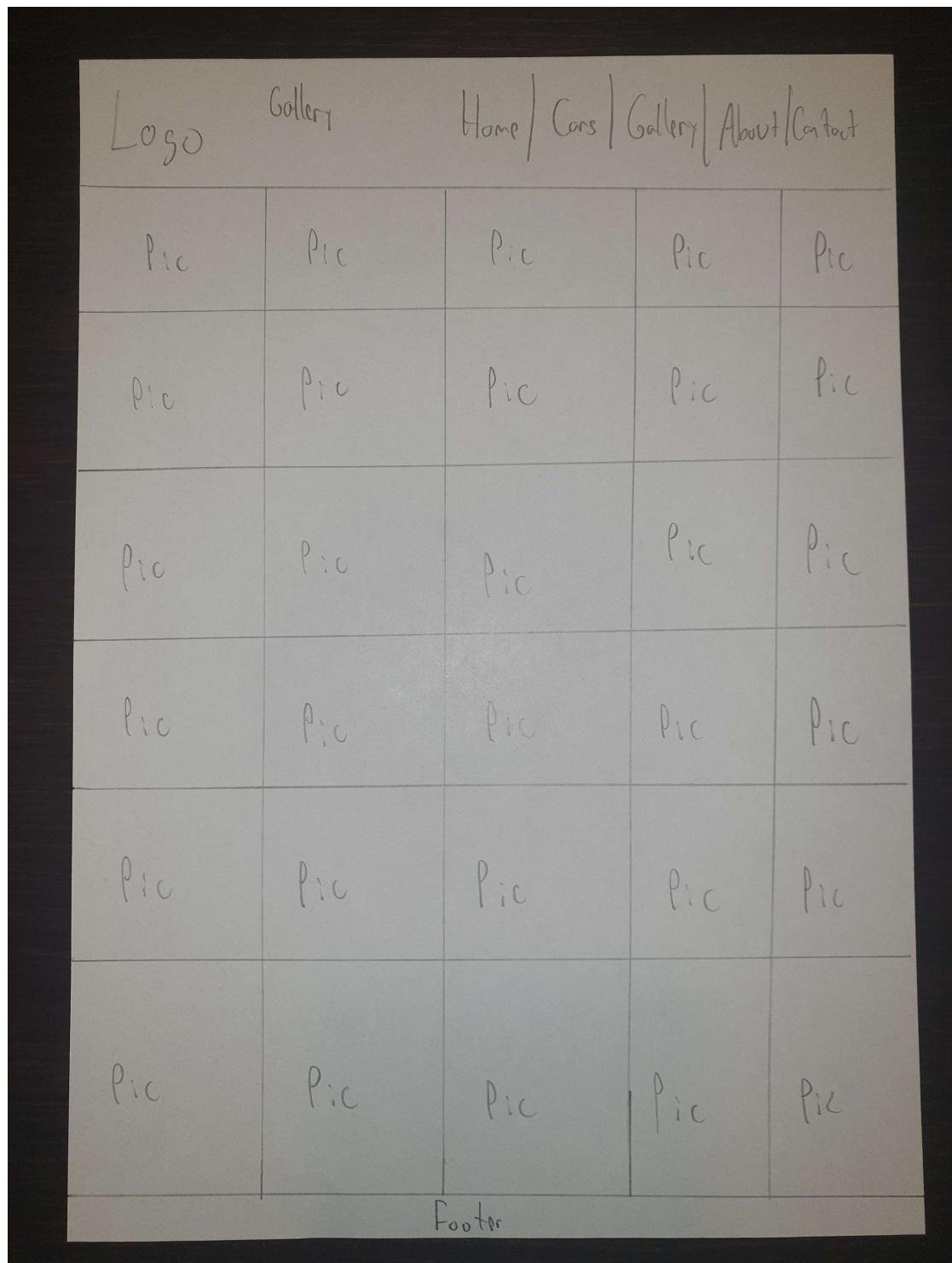
4. Low Fidelity Prototype

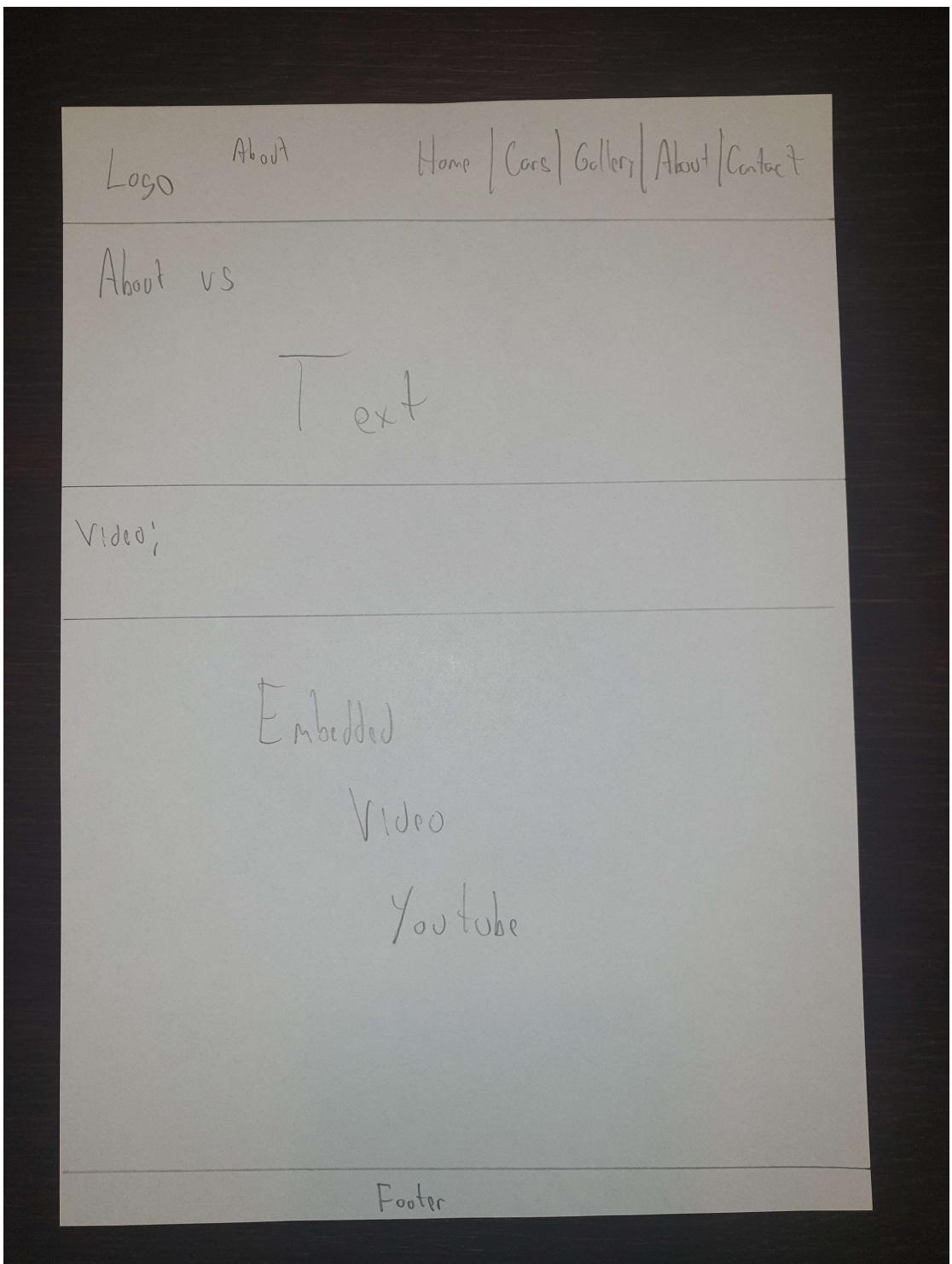
Create a Lo-Fi prototype to describe the site content and layout for the customer/stakeholder.

You must evaluate your prototype using appropriate heuristics.









Logo Contact

Home | Cars | Gallery | About Us | Contact

Email us

First name:

Last name:

Email:

Date:

Email:

Text:

Submit

Footer

5. Development Plan

Describe the process of how the site will be created.

This website will be developed in steps:

1. I will decide on the content, design and layout of the website.
2. I am going to make all html pages, css file and js file and connect them all together.
3. I will write the header and nav bar on one html and design it in css and then copy the same thing to all pages, as header and nav bar needs to be the same on all 5 pages.
4. Then I will write all the content on all 5 pages, and then design all of that in CSS.
5. At the end I am planning to add few js scripts to my website.

6. Testing Plan

Explain in detail the strategies used to test the website. (eg. HTML validation, CSS validation).

For the testing of the website I used html and CSS W3 schools validators. I checked for errors and warning there were few warning but I managed to get rid of them by changing a code for a bit, and now all the html pages and css files are free of errors and warning.

Is the site Cross Browser Compatible?

I tested my website on 4 different browsers: Google Chrome, Internet explorer, Mozilla firefox and Microsoft Edge.

Website works appropriately on all 4 different browsers, so it is cross browser compatible.

7. Site Evaluation

You must describe how you evaluated your website using appropriate heuristics.

I evaluated my website using appropriate heuristics and followed all part of appropriate heuristics while evaluating my website.

- My website has **Visibility of system status**, it is giving appropriate messages to the user and is informing the user of what is on the website
- The language on the website is appropriate for all English users, information is presented clearly.

- Website has freedom for the user, it shows exactly where is the user at the moment, and gives user a freedom to go through pages freely
- The website has consistency, design is similar on all 5 pages, and it is well designed for everyone to be able to read and understand the page.
- The website has no errors on it
- The website can be used by both experience and unexperience users
- The contact page has appropriate error messages for the user while filling out the form.

8. Deployment

Describe how the website was made available online.

I didn't make my website online as it has some copyrighted content

Steps if I was going to deploy my website:

1. First I would create website locally, which I already made
2. Then I need to get some web hosting (buy)
3. I would need to add <meta> tag to my html, this is not displayed on the page, but in this I would need to write what is my page about, the title of the page and etc. for the browser to have brief information on the website.
4. I would need to make an account on some FTP client, where I would upload my website. (FTP copies all the files of the website to internet hosting website)
5. And for the last part I would need to add a link to a google for the website.

Describe the techniques used for Search Engine Optimisation (SEO)

If I was to deploy my website online, I would try to use appropriate tags, and names to get better search engine optimisation.

Appendices

Weekly Logs

- Your weekly logs must be included in the Appendices section of your report.
(ie. At the end)

Web Dev 1

Weekly Project Report – Week 1

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

Hi Jonathan,

For my project I was thinking of making a website about cars.
I am planning to pick some car brand, and create a website about that brand, their car models, prices, pictures etc.

I looked at few car brand webpages to give me a sense how it should look like, and trying to get some ideas and get them all together to make a nice webpage about cars.

Still don't know which brand I will pick, but that is mine start of the project.

My second idea was to make some fitness webpage, but I think I will with cars.

Best regards,
Ivan Medved

Web Dev 1

Weekly Project Report – Week 2

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

Hi Jonathan,

For my second week of the project, I started building my website, I made 5 html pages, and linked them together, also managed to link css and js file to every one of these. I am now thinking of the design for the page, and how to make it nice. I have few ideas in my mind and will probably make an example grids, and then decide which one I will choose.

Best regards,
Ivan Medved

Web Dev 1

Weekly Project Report – Week 3

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

Hi Jonathan,

For the third week, I found the pictures for the website, made low fidelity prototype. I started making the design in CSS using my low fidelity prototype but there is a lot more to be done.

Also started including some javascript ideas as we learned basics of it now.

Best regards,
Ivan Medved

Web Dev 1

Weekly Project Report – Week 4

Please provide a brief overview of the research or tasks that were completed on your project this week. (This should take no longer than 10 minutes to complete):

Hi Jonathan,

For the fourth week, I made 3 out of 5 pages fully, I still need to make form, now after we learned how to do that. And also need to get an idea on what to do for the fifth page of the website.

But all in all project is going really well for me as I think I am almost done with it. And I started on my project report as well.

Best regards,
Ivan