COMS32500 - Web Technologies

University of Bristol Motorcycle Club

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HTML

Mark: A

The html was written in xhtml, without using a template generator.

Validation was done by using https://html5.validator.nu

Testing was done by trying different devices and older browser versions using the inbuilt features of mozilla firefox, internet explorer, opera and google chrome. We would like to say that our design is desktop-first and generally disregards older browsers. Using the element inspector, we tested the pages to see how they reacted to different screen sizes to make sure all the content was visible.

All the files related to this section can be found inside the views/ directory.

CSS

Mark: A

We used one style sheet to keep all the classes that were used multiple times consistent (the banner for example).

Huge amounts of the pages functionality were done purely through the use of CSS. Much of the gallery was done using CSS to create the proper structure and then supplemented with JS to create a more dynamic feel to it.

JavaScript

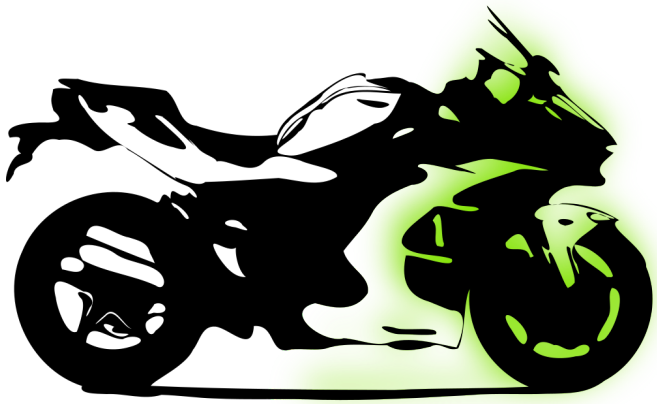
Mark: A

We used JS to create a more dynamic modal gallery page so that the user can see more pictures about the person they are interested in. Ideally we would like to be able to have a folder for each member where pictures can be put into and the page dynamically delivers all of the pictures in a modal gallery. However we were not able to get this far so we stuck with hardcoding one picture per member in the gallery and using JS to change the src of the image based on which button was pressed.

SVG

Mark: B

We used inkscape to create a basic logo for the project by picking a source image of a motorcycle and then using the bitmap trace function to create a path. We then simplified that path and then duplicated it and used the boolean tools to get a subsection of it. We then blurred that subsection and coloured it green and then composited the full path back together to create the logo that is displayed in the login page.



PNG

Mark: A

To make sure all the pictures had the right ‘feel’ to them, we used gimp to create a selection zone that maintained the aspect ratio we wanted for that set of images and then started to crop them to fit that aspect ratio. This ensured that the galleries that they were used in had the same height as the width was generally fixed. Using the PNG format was nice in that it allowed for a solid background to easily be removed and set to be transparent so that when it was placed on a page, the background of the container could shine through.

We also used a photo editor to change the colour profile on some of the pictures to accentuate some of the features of the pictures such as if a bike had a vibrate frame, we modified the colour curves to show that colour off.

Server

Mark: A

We have used Express JS framework for the server side. We have chosen Express Js as it is helping with the routing of the URL’s. Thus the server is routing all the required pages out of the routes directory . The server is also responsible for email and password validation, as well as adding cryptographie elements to it such as a hash and salt.

Database

Mark: B

Each requests is either a GET or a POST on the server which then makes the appropriate query to the database which is found in the root folder under the name database.db.

For the database we used sqlite with the sqlite3 node module to deal with the queries made to the database.

We have created two tables in the database, one that holds the users, and one that holds the events.

Dynamic Pages

Mark: C

We have a simple framework in place that delivers the correct pages with all the content the pages needs to display to the user.

Depth

Our design used frameworks, and we feel that we have managed to implement a working website that represents well the Motorcycle club.

A shortcoming of our design, is that we haven't used template such as eJS or PUG, which has made retrieving the data from the databases quite impossible.Thus our events database works well, but unfortunately because we ran out of time we couldn't showcase it on the client side.