The original idea I had was to create a dynamic and interactive quiz website with three difficulty levels: easy, medium, and hard. Where each level would give the user a unique quiz styles and challenging to test their knowledge. The layout, design and functionality were to give the user a fun yet professional experience.

The project evolved massively during implementation and so my final implementations are as follows. I implemented dynamic content handling with JSON files to store the quiz data dynamically, so it was easier to manipulate and if needed enlarge the quiz questions if. I also implemented multiple quiz layouts for different quiz levels for example easy was focused on images and multiple choice to make it less challenging as sort of an introduction and to ease the player into the quiz website. I then implemented a clean navigation bar using css. I landed on the very exciting name Grival.

Let's move on to the features I want to add or to improve. I want to improve on the scoring and implement a leaderboard. I want to also add a user login system to allow users to create an account and save their scored and high scores on the leaderboards. I want to improve on the interactive quizzes maybe adding a colour picker or a drag and drop option to make it more interactive. I might implement custom user quizzes which they can make and there can play.

some of the challenges I faced were the dynamic data handling at the start I had all the questions hardcoded into every page, but I later discovered I could put it in a Json file for flexible data management. Styling the quiz site was hard because it was difficult to maintain a consistent style. I had a lot of issues with the images not linking properly in the code it required a keen eye to make sure nothing was misspelt or missing completely.

Some of my achievements are a fully functional quiz and website which has 3 difficulties easy medium and hard with all different styles and layouts. I also have a clean and readable design with minimal elements to not over stress the user.

this report shows my journey and highlights all the ups and downs I overcame and learnt a lot about making sites this project really highlights the change from the design and the actual implementation, but it was really good.