

Homework 2 - Project Idea

Currency Converter/ Travelling Budget Planner

The primary goal of our project is to develop a user-friendly and intuitive website that enables holidaygoers to easily convert currencies and plan their budgets for their trips. We aim to create a comprehensive and efficient platform that simplifies the process of managing finances whilst travelling.

The development process will be following an agile methodology, allowing for flexibility and collaboration among team members. We divided the project into different phases, including planning, design, development, testing, and deployment. We have regular Zoom meetings and discussions to ensure effective communication and a Gant chart to keep us on target. We shared our strengths and weaknesses regarding the different aspects of the project and divided the workload fairly and accordingly. During the planning phase, we conducted thorough research to identify user requirements and design a user-friendly interface.

To bring this project to life, we will be utilizing a combination of front-end and back-end technologies. For the user interface design and presentation, we will use HTML and CSS to create an appealing, responsive, and user-friendly website layout. JavaScript is crucial in implementing interactive features and functionalities, such as live currency conversion rates and budget calculations. Node.js was chosen as the server-side runtime environment, providing a fast and scalable platform.

Regarding the design aspect, we used wireframes on miro.com to visualize the website's layout and ensure functionality. Additionally, we will integrate third-party APIs to fetch real-time currency exchange rates to ensure accurate conversions.

The main features of this project include a homepage which has a simple interface allowing the user to input their ISO currency code and convert it to the currency that they are enquiring about. They are also

able to utilize the budget planner for the number of days they will be visiting the country, breaking down their budget into days.