Portfolio Project



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Portfolio Project

1. **Portfolio Website Project**

**Project Information**

The Portfolio Website was developed as part of a project at HZ University of Applied Sciences. Its purpose is to provide a professional online presence where I can showcase my skills, academic work, and projects. The website also functions as a personal branding tool that allows potential employers, teachers, and collaborators to learn more about my background.

The project was developed using **HTML, CSS, and JavaScript**. It is structured into several key pages:

* Home
* Dashboard
* Profile
* FAQ
* Blog

Each page serves a specific purpose, contributing to a complete and user-friendly experience.

**Team Information**

This was an individual project developed by Emil Bogdanov. All aspects of design, coding, and documentation were completed independently, though resources such as GitHub and Figma were used to organize and plan.

**Introduction**

The main objective of this project was to create a personal portfolio website that demonstrates both technical and design skills. While many online portfolio templates exist, I chose to design and code mine from scratch to ensure originality and to better showcase my knowledge in frontend web development.

**The website includes:**

* **Home Page:** Welcoming introduction and navigation.
* **Dashboard:** A section summarizing key statistics and recent work.
* **Profile:** A page containing details about myself, my studies, and my skills.
* **FAQ:** A section answering frequently asked questions in a structured format.
* **Blog:** A page for articles, reflections, and project updates.

**Realization**

* The development process was organized into several stages:
* Planning – Creating wireframes and identifying the content for each page.
* Setup – Creating the initial project structure with HTML, CSS, and JavaScript files.
* Implementation – Coding each page step by step, starting with the Home page.
* Styling – Ensuring the design is consistent, modern, and responsive.
* Testing – Checking cross-browser compatibility and responsiveness.
* Deployment – Uploading the project to GitHub Pages for easy access.

**2. Work Plan**

**Tasks for Completion**

* The project was completed in a structured order:
* Setting up the project folder structure.
* Creating the Home Page layout and navigation bar.
* Building the Dashboard Page to summarize personal data and recent projects.
* Designing the Profile Page to include academic and professional background.
* Creating the FAQ Page with collapsible questions and answers.
* Developing the Blog Page to publish project reflections and articles.
* Adding responsive design for mobile and tablet screens.
* Applying consistent styling across all pages.
* Writing documentation (this report).
* Preparing a presentation for academic evaluation.

**3. Website Pages**

**Home Page**

The Home Page serves as the first point of interaction with the user. It introduces me with a welcome message, a short description, and easy navigation to the other sections of the website. It sets the tone for the entire portfolio and reflects my personal branding.

**Dashboard Page**

The Dashboard Page provides a visual overview of my portfolio content. It includes quick links to projects, a summary of skills, and highlights of recent updates. The purpose is to allow visitors to quickly see what I am working on and what my main strengths are.

**Profile Page**

The Profile Page presents detailed information about myself. It includes:.

* Skills in programming, web development, and design.
* Personal interests and achievements.

This page acts as an extended CV, but in a more engaging and interactive way.

**FAQ Page**

The FAQ Page answers frequently asked questions about me and my portfolio. Questions are organized in a collapsible format so that users can expand and read only what they are interested in. This improves user experience and makes the website more interactive.

**Blog Page**

The Blog Page is a space for publishing personal reflections, project updates, and academic articles. It demonstrates not only my technical ability but also my communication and writing skills. Blog posts are arranged chronologically, with the latest entry appearing first.

**4. Technologies and Tools**

**Frontend Technologies**

* HTML5: Structure of the website.
* CSS3: Styling, layout, and responsive design.
* JavaScript: Interactivity and DOM manipulation.

**Version Control**

* Git & GitHub were used for source code management, version history, and deployment (via GitHub Pages).

**Design Tools**

* Figma was used to create wireframes and prototypes.
* Photoshop was used for image editing and optimization.

**Documentation and Presentation Tools**

* MS Word was used for this documentation.
* MS PowerPoint was used to create the final presentation.

**5. Testing and Quality Assurance**

**Browser Compatibility**

The website was tested on multiple browsers (Chrome, Edge, Firefox) to ensure consistent behavior.

**Responsive Design Testing**

Media queries were applied, and the site was tested on different screen sizes to ensure a smooth experience on desktops, tablets, and smartphones.

**User Feedback**

Feedback was gathered from classmates and teachers, and improvements were made to the navigation and styling based on this input.

**6. Future Improvements**

**Additional Features**

* Adding a dark mode toggle for user preference.
* Implementing a contact form linked with email notifications.

**Design Enhancements**

* More animations and transitions to make the website visually dynamic.
* Expanding the Dashboard with interactive charts and statistics.

**Performance Optimization**

* Optimizing images for faster load times.
* Minifying CSS and JavaScript files.

**7. Conclusion**

The Portfolio Website Project successfully demonstrates my skills in web development, design, and project organization. It reflects my ability to work independently, manage tasks effectively, and produce a complete and functional product.

Through this project, I gained deeper knowledge of responsive design, interactivity with JavaScript, and the importance of structuring documentation. The portfolio will continue to grow as I update it with new projects, blogs, and achievements during my studies at HZ University.

WORK PLAN

**Tasks for Completion**

|  |  |
| --- | --- |
| № | Task Breakdown |
| 1 | **Setting up raylib library**  The raylib library was set up by our Scrum Trainer. This is the main library that is being used in the project. |
| 2 | **Creating main menu and its options.**  Our main menu was created by our Backend developers. It is used to navigate through the application. |
| 3 | **Creating the “choose country” functionality.**  This functionality was created by our Backend developers. When a new game is started the player has to choose a starting country. |
| 4 | **Creating the player movement.**  This functionality was created by our Backend developers. With this functionality the player is allowed to travel to other countries. |
| 5 | **Creating the in-game currency.**  The in-game currency was created by our Backend developers. You can spend it on unlocking different countries. |
| 6 | **Creating country travelling.**  The card functionality was implemented by our Backend developers. A card can be placed if it corresponds to a valid Boolean operation. |
| 7 | **Creating player quests.**  Player quests were created by our Backend developers. By completing player quests the player can earn money. |
| 8 | **Creating the Doxygen documentation**  The Doxygen documentation was created by our QA Developer and Scrum trainer. You can see in great detail how the code works through this documentation. |
| 9 | **Creating the QA Documentation**  The QA Documentation was created by our QA Engineer. There are unit test reports about the application. |
| 10 | **Documentation**  Our QA Engineer and our Scrum trainer created the documentation using MS Word to summarise the application. |
| 11 | **Presentation**  The presentation was created by our Scrum trainer to explain the concept of the application. |