::CAHIER DES CHARGES::

Portafolio Project

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Introduction::

1.1 Project Context

As part of my web development training at the Coding Academy, I aim to create an online portfolio that will showcase my skills and projects. This site should represent me both professionally and personally, while serving as a showcase to demonstrate the RNCP qualification skills I have acquired

1.2. Objectives

The objectives of this portfolio are as follows:

- Highlight my technical skills and achievements.
- Reflect my personality and style through a personalized design.
- Capture the attention of recruiters or potential clients.

1.3. Target Audience

My portfolio primarily targets two types of audiences:

- Recruiters looking for a developer.
- Potential clients interested in collaborating on web projects.

Project description::

2.1 Expected Features

The portfolio will be divided into three main sections:

Home :

- A catchy phrase and a professional photo.
- Links to other pages of the site and the projects completed.
- Contact information and a contact form.

Projects :

- A dynamic gallery showcasing completed web projects and the technologies used.
- A link to download my CV in PDF format.
- An analysis of my work, highlighting my progress and developer skills.

About Me :

- Presentation of my professional and personal background.
- A timeline to visually and clearly illustrate my journey.

2.2. Proposed Technologies

- Frontend: Development with the React framework, using HTML and SCSS.
- Backend: Development with Node.JS and the framework Express.
- Hosting: Options such as Vercel for the frontend and Render for the backend.

Technical specifications::

3.1 Overall Project Architecture

Frontend

Main technology: React.js for the app structure.

Styling: SCSS

Backend

Node.js and Express to enable sending contact form emails.

Page structure:

Home

Projects

About Me

3.2. Main Features

Page Home

Catchy phrase and professional photo

Contact form: connected to the backend, sending email with Mail-Jet.

Projects Page

Dynamic project gallery: Using React to display a grid of projects with descriptions and technologies used. The gallery is a component linked to a JSON file that automatically updates the site with new projects added.

Download CV : Integration of a link to display the CV in PDF format in a new tab.
Project Analysis : Presentation of projects in the form of cards or tiles detailing each project with the technologies used and the challenges encountered.

About Me Page:

Static text presenting professional and personal background.
Visual and dynamic timeline: graphical representation of my journey using an interactive React component.

3.2. Design and Ergonomics

Navigation Structure

A dropdown menu accessible from any page with links to the main sections: Home, Projects, About Me.
Implementation of anchors in the pages to facilitate navigation.

Graphic Design

Colors:

- Dark background with light text to ensure good readability.
- Interactive elements, buttons, and decorative elements in purple and yellow.

#242424 #333 #646cff #f8b300

Typography: 'Fira Code' font

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Whereas disregard and contempt
for human rights have resulted
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Responsiveness: Responsive design using SCSS and media queries to ensure a good user experience on all devices: mobile, tablet, and desktop.

3.4 Constraints and Requirements

Legal Constraints (GDPR)

No collection of personal data, so no need for a consent banner or privacy policy.

Technical Constraints

Browser Compatibility: The site must be compatible with modern browsers (Chrome, Firefox, Safari, Edge).

Performance: Optimization of resources (compressed images, minimized JS and CSS files) to ensure fast page loading.

3.5 Hosting and Deployment

Hosting Platform

Choice between Netlify, Render, Vercel, or a VPS for hosting the site, allowing for easy and quick deployment management.

Continuous Deployment

Use of GitHub for versioning and continuous deployment via Netlify or Vercel.

3.6 Testing

Unit Testing

Tests on React components to ensure they function correctly (rendering and interaction tests).

Test the backend with sending and receiving email via the contact form.

Ressources::

5.1 Estimated Timeline

Here is the timeline I will follow for this project:

- Day 1-2: Design and layout of the website.
- Day 3-7: Development of the different pages and features.
- Day 8-10: Testing, bug fixes, and deployment.

5.2. Required Resources

To successfully complete this project, I will use:

- A free or affordable hosting platform compatible with React (Netlify, Vercel, or a VPS) and with Node.JS (Render)
- A code editor such as Visual Studio Code.

5.3. References and Inspiration

I am mainly inspired by Elias Devis' portfolio, whose minimalist style and subtle animations reflect my skills and what I want to showcase.
https://eliasdevis.github.io/.