# 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**

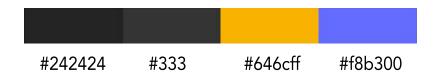
A dropdown menu accessible from any page with links to the main sections: Home, Projects, About Me.

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.



Typography: 'Fira Code' font

Whereas disregard and contempt for human rights have resulted

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/.