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# **Requirements Specification Document**

## **1. Overview**

**Project Name:** PortiFlex – A Use-Ready Portfolio Template

### **Project Summary:**

Developers, designers, and freelancers. PortiFlex offers a great choice for creating a portfolio, either personally or commercially. It offers many customizable features, within minutes, users can have a portfolio that looks way better than anything out there!

### **Objectives:**

- Make the template fully responsive.
  - Make it simple enough to use without much coding expertise.
  - Possibly provide multiple choices, like single or multi page designs.
  - Offer top-tier UI/UX for users and ensure cross-browser compatibility.
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## **2. Business Analysis**

### **2.1 Business Need**

Online reputation is now important, and a portfolio has become a basic requirement in all fields.

### **2.2 Target Customers/Users**

- Designers/Developers – to promote services and build credibility.
  - Students/Graduates – to showcase academic projects and resumes.
  - Freelancers – to present their work and attract new clients.
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### 3. Stakeholders

- UI/UX designer: Produce clean and consistent layouts.
  - Developer: Create the project, test it, and maintain it.
  - Customer: Those who will actually buy our project and create portfolios with it.
  - User: People who will access customers' portfolios.
  - Investor (In the future): Financial backers who are interested in PortiFlex
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## 4. Market Analysis

### 4.1 Market Overview

Portfolio templates are common necessities within the web design market, wanted by freelancers, agencies, and creators who need quick, professional online showcases.

### 4.2 Competitor Comparison

Competitor	Platform	Strengths	Weaknesses
<b>Envato / ThemeForest</b>	Template Marketplace	Professional design variety	High prices, complex setup
<b>Wix / Squarespace</b>	Website Builders	Easy setup, hosting included	Limited customization, ongoing cost
<b>BootstrapMade / Colorlib</b>	Free Template Sites	Free and simple	Generic look, minimal support

### 4.3 Market Entry Strategy

- Free model: Basic template free, premium features paid.
- Promotion via multiple platforms (GitHub, communities, etc...).
- Provide demo pages, docs, and tutorial videos.

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## 5. Project Structure and Design

### Directory Layout

Portiflex/

client/	# React Frontend
public/	
index.html	
src/	
assets/	# Images, icons, etc.
components/	# Shared components (Navbar.jsx, Footer.jsx, etc.)
pages/	# Pages (Home.jsx, About.jsx, Portfolio.jsx)
context/	# React Context (ThemeContext.jsx, AuthContext.jsx)
services/	# API calls (api.js)
styles/	# CSS or SCSS files
App.jsx	# Root app component
main.jsx	# Entry point (ReactDOM.createRoot)
.env	# Frontend environment variables
package.json	
vite.config.js	# If using Vite
server/	# Express + MongoDB Backend
config/	
db.js	# MongoDB connection
models/	# Mongoose models (User.js, Project.js)
routes/	# API routes (projectRoutes.js, userRoutes.js)
controllers/	# Route logic (projectController.js)
middleware/	# Auth/error handlers (authMiddleware.js)
server.js	# Express entry point
package.json	
.env	
.gitignore	
README.md	# Project overview

**Note:** This current layout is a mere expectation. Some parts may change later while working.

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## 6. Included Functional Requirements

FR	Description	Priority
FR-01	Editable text and images	High
FR-02	Fully responsive (desktop, tablet, mobile)	High
FR-03	Light/Dark mode toggle	Medium
FR-04	Dynamic project data from JSON or Markdown	Medium
FR-05	SEO metadata & Open Graph support	High

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## 7. Included Non-Functional Requirements

- Performance
  - Security
  - Compatibility
  - Maintainability
  - Scalability
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