

# Requirement Specification: Portfolio Presenter

Change the World

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## Readers guide

The purpose of this requirement specification, is to effectively communicate the project's goals, as well as the elicited requirements for the system. This is about defining the vision for the system. Initially, the functional requirements of the system are presented, broken down by themes, epics and ultimately user stories. Afterwards, broader and softer requirements of the system are noted as non-functional requirements. Lastly user interface design requirements are listed with wireframes to illustrate how the user stories should be implemented.

# Introduction

## Background

Currently, there is no formal medium to present my portfolio or effectively share resources such as project charters, requirement specifications, source code, or demos. This lack of a centralized platform hinders my ability to showcase my professional identity in an accessible and organized manner, impacting how potential employers, collaborators, and other stakeholders perceive my value proposition.

## Purpose & goals

To develop a system that effectively communicates my portfolio and showcases completed projects, providing a clear and comprehensive view of my professional capabilities to potential employers, collaborators, and other stakeholders.

- **Present four projects** to provide initial insight into the processes used in my work.
- **Highlight the skills and competencies applied** in these projects, showcasing areas of focus and expertise.
- **Ensure the platform is user-friendly and engaging** to facilitate easy navigation and understanding.

## Scope

This project includes the development of:

- **Project Presentation System:** A platform to display and detail various projects.
- **Analytics System:** Tools to track and analyze visitor interactions and engagement.

## Functional requirements

- Project Presentation System
- Analytics System

# Project Presentation System

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- **User story:** As the owner, I want to write a section, describing my process and how it came to be, so I can be transparent in my professional identity.
    - **Description:** Allow the owner to write a text section.
    - **Acceptance criteria**
      - The section is located centrally
      - The section is presented as early as possible
      - The section is max. 5 paragraphs including margin and padding
- 
- **User story:** As the owner, I want to write a comment for each project, so I can communicate any relevant information to visitors.
    - **Description:** Allow the owner to write a comment to a project.
    - **Acceptance criteria**
      - The comment is located with other elements of the project
      - The comment is located first within the visual container of the project
- 
- **User story:** As a user, I want to view all projects, so I can examine and inspect each one for relevant value I can benefit from.
    - **Description:** Allow the user to view all listed projects.
    - **Acceptance criteria**
      - The projects are accessible
- 
- **User story:** As a user, I want to view the project charter for a project, so I can get an idea of the initial considerations for the project.
    - **Description:** Allow the user to view the project charter for a project.
    - **Acceptance criteria**
      - The user can download a .pdf document of the project charter
- 
- **User story:** As a user, I want to view the requirement specification for a project, so I can get an understanding of the project's endresult's capabilities.
    - **Description:** Allow the user to view the requirement specification for a project.
    - **Acceptance criteria**
      - The user can download a .pdf document of the requirement specification
- 
- **User story:** As a user, I want to view the source code for a project, so I can dive in and inspect how the requirements have been implemented.
    - **Description:** Allow the user to view the source code for a project.
    - **Acceptance criteria**
      - The user can access the project's source code on github
- 
- **User story:** As a user, I want to view a demo of the project, so I can get a holistic view of the project and whether it was successfully implemented.
    - **Description:** Allow the user to access a functional demo of the project's output.
    - **Acceptance criteria**
      - The user can navigate to a functional demo of the project's output

# Analytics System

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- **User story:** As the owner, I want to collect data which provides an indication of traffic and the quality of the traffic on the site, so I can access the value of the system.
    - **Description:** Allow the owner to collect data for examining quantity and quality of traffic on the site.
    - **Acceptance criteria**
      - Use Google Analytics =)
- 
- **User story:** As the owner, I want to view collected data on the site to be visually presented, so I can quickly elucidate patterns / conclusions.
    - **Description:** Allow the owner to view collected data in graphics.
    - **Acceptance criteria**
      - Use Google Analytics =)
-

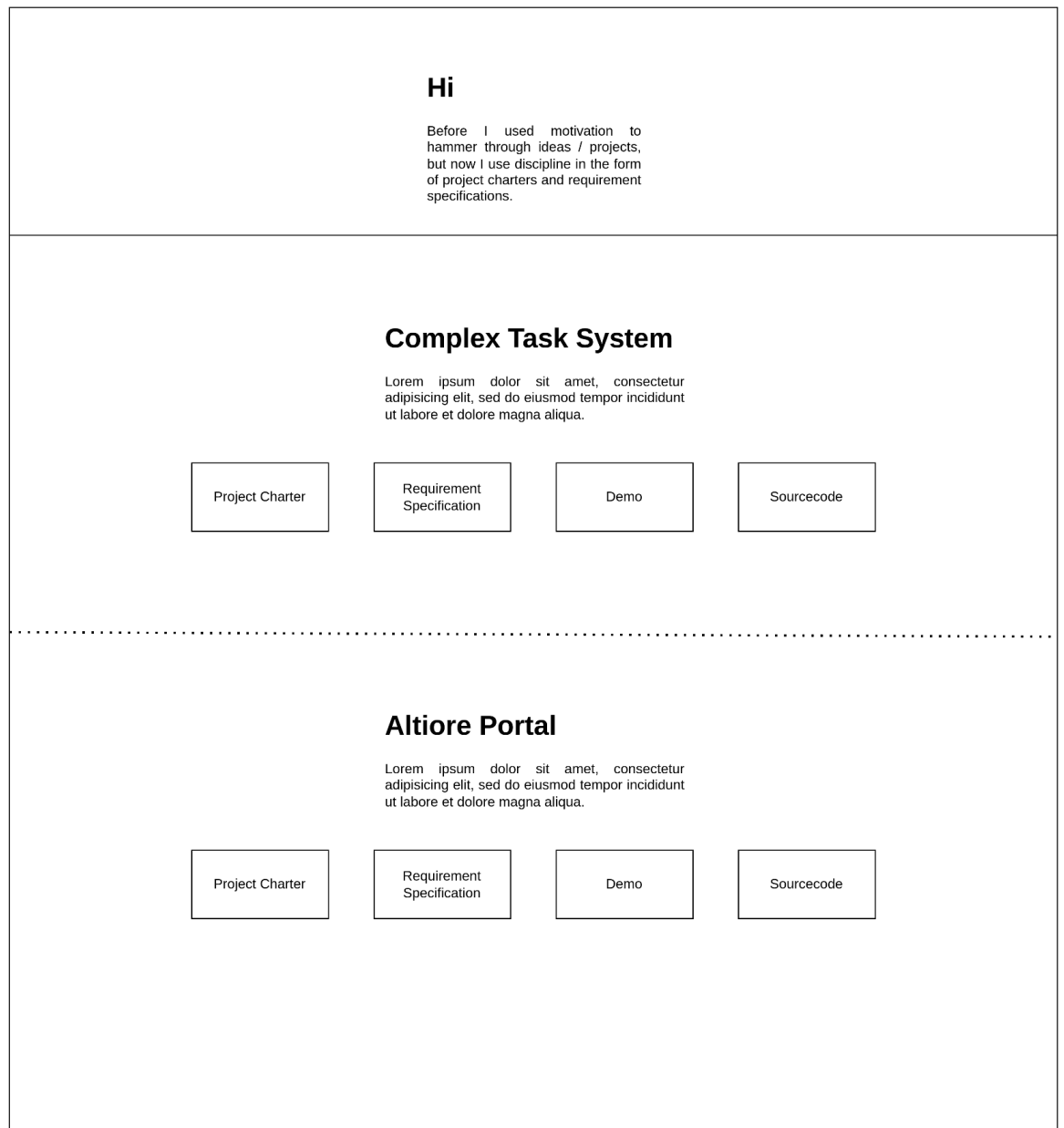
# Non-functional requirements

User Experience	<p>It is important the system is easy to use and provides a memorable user experience. This is achieved by the following:</p> <ul style="list-style-type: none"><li>• Few clicks → When a user needs to do something, it should be accessible in less than 3 clicks.</li><li>• No deeply nested pages → There should be no pages only accessible from other pages. Seek to use modals as a possible replacement instead.</li></ul>
Payment	<p>The system should avoid having to comply with PCI compliance requirements, which primarily means it should avoid storing payment details.</p>
Security	<p>The system must have implemented common security initiatives, this includes SSL and token management for communicating between internal services.</p> <p>Furthermore, users' passwords must be hashed before being stored in a database.</p>
Speed	<p>The speed of the system must not affect the user experience negatively. This has different criteria for aspects of the system, but in general a user should be able to continue with their work within 400ms of taking an action.</p>
Theme	<p>The interface must adhere to a standardized theme color palette.</p>

# User interface design

How the user stories must be implemented is first broken down by the fitting no. of pages. As per the elicited user stories, it is adequate to use a single page which can accommodate the requirements.

Full height auto-  
scroll pr. case





# Deployment

The system is initially to be hosted on Google Cloud, as it is possible to achieve low costs for both hosted applications as well as databases, while also enabling great integrations with a multitude of relevant solutions (Google Workspace, Cloud SQL, Firebase).

Furthermore, there must not be implemented environments for production, stage, development as this intensively drives up the costs (capital & time). For the deployment process, github and docker should be used, to ensure consistent deployment and control over the environment.

## Appendix

## Changelog