IBM AI AR techdoc

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1 Introduction

This document provides a detailed specification for the proposed software project. It outlines the goals, requirements, and constraints that are necessary for successful implementation.

2 Project Overview

2.1 Purpose

Many developers face challenges while reading and understanding technical documentation. This project aims to create an AI-powered mobile application which, supported by AR technology, will enhance the user experience by providing interactive and immersive documentation. Powered by IBM Watson/Grantie, the app will offer several features to assist developers in navigating and comprehending complex technical documents, including text recognition, interactive AR overlays, chatbot assistance and more.

2.2 Objectives within the scope

2.3 Boundaries and Out-of-Scope Elements

2.4 Expected Deliverables

2.5 Target Outcomes

3 Literature Review

4 Requirements

4.1 Functional Requirements

List the key functionalities the software system must support. Provide clear and concise descriptions of features and interactions.

4.2 Non-Functional Requirements

Outline performance, usability, reliability, and other quality attributes expected from the system.

5 System Architecture

Provide a high-level overview of the system architecture. Include diagrams where appropriate to illustrate the system components and their interactions.

6 Frontend Design

7 Backend Design

7.1 Component Diagram

7.2 Technology Stack

List the technologies, programming languages, frameworks, and tools that will be used in the project.

8 Development Plan

8.1 Milestones

Detail the project timeline with key milestones and deliverables.

8.2 Risk Management

Identify potential risks and outline strategies for mitigating them.

9 Conclusion

Summarize the key points of the specification document and outline next steps.