

# Software Requirements Specification (SRS)

## MujahidGPT – JHK Solution Personal Assistant

### 1. Introduction

This Software Requirements Specification (SRS) document describes the functional and non-functional requirements of the MujahidGPT – JHK Solution Personal Assistant. The system is an AI-powered assistant designed to provide intelligent responses and centralized business information for JHK Solution using modern AI technologies.

#### 1.1 Purpose

The purpose of this document is to provide a detailed description of the system's requirements, architecture, features, and constraints. This document serves as a reference for developers, stakeholders, and future maintainers.

#### 1.2 Scope

MujahidGPT is a web-based AI personal assistant developed using Python and Gradio, deployed on Hugging Face Spaces, and embedded into Google Sites via an iframe system. The system provides easy access through a custom domain and is managed using GitHub for version control.

### 2. Overall Description

#### 2.1 Product Perspective

The system operates as a standalone AI assistant hosted on Hugging Face Spaces. It is embedded into a Google Sites frontend, allowing users to interact with the assistant via a web browser without installing additional software.

#### 2.2 Product Functions

- Provide AI-based responses to user queries
- Serve as a knowledge base for JHK Solution
- Enable browser-based access through Google Sites
- Support scalable deployment using Hugging Face Spaces
- Allow easy updates via GitHub version control

#### 2.3 User Classes and Characteristics

End Users: General users or clients accessing the assistant through the website. Administrators: Developers or system managers maintaining the code and deployment.

### 3. System Requirements

#### 3.1 Functional Requirements

- The system shall accept user input via a web interface.
- The system shall generate AI-based responses using Python logic.
- The system shall display responses in real time using Gradio.
- The system shall be accessible through a custom domain.
- The system shall allow embedding via Google Sites.

### 3.2 Non-Functional Requirements

- The system shall be available 24/7 subject to hosting uptime.
- The system shall be scalable using cloud-based infrastructure.
- The system shall ensure basic security for user interactions.
- The system shall be easy to maintain and update.

### 4. Technology Stack

Layer	Technology
Backend & AI	Python, Gradio
Hosting	Hugging Face Spaces
Frontend	Google Sites (Embed Code)
Version Control	GitHub
Domain	thenajafgroup.online

### 5. Assumptions and Constraints

The system assumes continuous availability of Hugging Face Spaces and Google Sites services. Internet connectivity is required for users to access the application.

### 6. Conclusion

MujahidGPT – JHK Solution Personal Assistant is a scalable, web-based AI solution that integrates modern AI tools with simple frontend management. This SRS provides a clear foundation for future enhancements and maintenance.