

“Hello World” Software Requirements Specification document:

1. Introduction

1.1 Purpose:

This document outlines the requirements for the software “Hello world” which aims to print the message “Hello world” in the console.

1.2 Product Scope

The scope of this project is limited to the development and implementation of the “Hello World” software. This includes:

- Designing the software architecture.
- Implementing the Java code to print the message from a text file containing the message to print .
- Ensuring compatibility with both Linux and Windows operating systems.
- Deliver jar file to the client.
- Provide a documentation on how to use the software for the client.

2. Overall Description

2.1 User Needs

Users of the "Hello World" software will be individuals printing a message “Hello world” in the console.

2.2 Assumptions and Dependencies

- The software depends on the operating system's console for output.
- The user has either linux or windows as an operating system.
- The user do not have JDK (Java Development Kit) developed in the system.

3. System Features and Requirements

3.1 Functional Requirements

Message Printing: the software prints the message “Hello world” on the console when executed.

3.2 External Interface Requirements

Input: The software will not require any input from the user.

Output: The software will output the message "Hello World" to the console.

3.3 System Features

Java Implementation: The software will be implemented using the latest version of the Java programming (21.0.2)

3.4 Nonfunctional Requirements

- Performance: The software shall execute efficiently and with minimal resource usage.
- Portability: The software shall be easily adaptable to different operating systems (windows and linux).
- Reliability: The software shall function correctly under various conditions.
- usability: The software shall be easy to use and understand, even for users with limited programming experience.
- Maintainability: The software shall be well-structured and easy to modify or extend in the future.