**

**Design document**

M.G. den Hollander

Student number: 3803554

Fontys Hogescholen

ICT & Software Engineering

Version: 1.1

#### Version

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Changes** | **State** |
| 1 | 17-02-2023 | M.G. den Hollander | Created the document and added styling. | Concept |
| 1.1 | 12-04-2023 | M.G. den Hollander | Started working on documenting the designs. | Concept |
|  |  |  |  |  |

# Introduction

During the graduation internship at Sligro, an important step in the development process was the creation of a design document. This document serves as a blueprint for the alternative to the robot and contains information about the designs and diagrams of all components of the project.

The ultimate goal of this document is to provide a detailed guide that will help in the implementation phase of the project. It is hoped that this document will help the reader to better understand the structure of the alternative to the robot, which will help in a later phase of implementation.

By providing a clear and structured overview of the design, the document aims to ensure that everyone involved in the project has a shared understanding of its objectives and requirements.

This graduation internship project aims to investigate the potential optimization or replacement of the current way of automation at Sligro. Sligro operates on a system called AS400, on which they use Robotic Process Automation (RPA) to automate certain processes. These robots have not received any further attention for improvement since their first creation, and occasionally experience malfunctions. This way of automation may not always be the ideal outcome for Sligro, as more modern and perhaps simpler techniques are now available. The desired outcome is a technique that requires minimal manual work, saves time, and reduces maintenance costs.

The project will explore alternative options to this RPA solution and determine whether they can provide better performance and efficiency.

It is important to note that the research conducted may result in a conclusion that a different technique is more suitable than the current way of automation. The findings of the project will be instrumental in determining whether Sligro should continue to use the current RPA solution, or invest in a newer, more efficient solution. Overall, the project will contribute to improving the automation and efficiency of Sligro's processes.