**CS-5542**

**FINAL PROJECT**

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Change History

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**Modifier:** Lauren Magee

**Date:** 03/31/2021

**Description of Change:** Initial rough draft and template, added introduction.

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**Modifier:** Cory Free

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**Modifier:** Txomin Chivite

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**Description of Change:** Added logical view parts (high-level design, mid-level design, and detailed class design)

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**Modifier:**

**Date:**

**Description of Change:**

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**Version:**

**Modifier:**

**Date:**

**Description of Change:**

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# Introduction

# Design Goals

The value of our design will be determined based on whether or not it meets certain restraints set by the project stakeholders or developers. After reviewing the requirements given by these individuals, we’ve determined the following to take priority in our implementation of their desired system. Our definition of a high quality design will be accomplished if the following design goals are met (1-highest design priority, 2 - second highest design priority, 3 - etc.):

1. **Simplistic and Intuitive -**
2. **Brand Recognition and Trustworthiness** -
3. **Reliability** -
4. **Consistency** -
5. **User-Friendly** -

# System Behavior

The web application consists of three main pages that enable users to carry out tasks relating to scanning the necessary images. The pages are the \*login page, the dashboard and the transaction page.

* \*The login page
* The dashboard
* The transaction

# Logical View

The logical view of our application showcases the main parts of our program, this includes design styles, interfaces, windows, and the backend. In general, it provides a high level overview of what our application provides for its users.

*:*

**User Interface:**

**User Interface Styles:**

**Transactions:**

**\*Login:**

**Dashboard:**

## High-Level Design (Architecture)

The high-level view or architecture consists of 4 major components:

The high-level view or architecture is composed by three main factors:

* **Web Application:**
* **Front-end:**
* **Back-end**

o **Database Server:**

## Mid-Level Design

**Mid-Level design parts and their relationships**

The below figure illustrates the elementary view of the system’s Mid-Level Design segments.

## Detailed Class Design

# Process View

Each edge shows the connections of the application and its components.

# Development View

# Physical View

# Use Case View -