

**Bachelor of Computer Science**

**(Digital System Security)**

CSCI321 – Final Year Project

SOFTWARE REQUIREMENT

SPECIFICATION

**Project Particulars**

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| --- | --- |
| Supervisor | Dr Ta Nguyen Binh Duong |
| Project Group | SS18/1F |
| Project Title | Two Factor Authentication |

**Project Team’s Particulars**

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**A secure file locking application**

**Document Control**

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Document Name: FYP\_ProjectProposal

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# 1. Introduction

## 1.1. Background

The purpose of this document is to provide a detailed overview of our software product. This includes the description of our project’s target audience, system features, user interface and both hardware and software requirements.

## 1.2. Project Scope

This project aims to provide users with a way to enhance security on file management on desktop applications. We will be including a two factor authentication mechanism to secure our files from unauthorised usage.

## 1.3 Intended Audience and Reading Suggestions

# 2. Product Overview Description

## 2.1 Product Perspective

## 2.2 Product Features

### 2.2.1 Locking File

### 2.2.2 Unlocking file

### 2.2.3 Secure OTP generation

## 2.3 User Classes and Characteristics

### 2.3.1 Physical Actors

### 2.3.2 System Actors

#### 2.3.2.1 SQL Database

## 2.4 Operating Environment

## 2.5 Implementation Constraints

## 2.6 User Documentation

## 2.7 Assumptions and Dependencies

# 3. System Features