Professional Practice Project

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Reservation System

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# Introduction

My name is Ivan McGann; I am a student in the 3rd year of a B.Sc. in Computing and Software Development. This project was created as an appointment reservation system developed as a mobile application. This documentation is provided to my supervisors of the Professional Practice in IT module and can be used as a guide in understanding the finer details of the project. I will be using ionic to do the project which I have developed with before, but it is an ever-evolving platform, so it can be tricky to use. This document will give a summary of my project and what I planned to create under the constraints of time and ability. The project is not based for use by any working business practice in its current format.

The goal of this project was to create a reservation system using the ionic platform. The initial design uses a three-tier architecture which includes the application in conjunction of using firebase to receive and store information entered. The project is a system to allow for example a dentistry office to both store and receive appointments of a one-hour length. Before I began the project, I decided to do some research and decided to focus on a number of areas including:

* Updating all software required and creating a google firebase to use in the project.
* Develop a better understanding of the ionic platform since I last used it.
* Try to create a log in for dentist and or patients once the project is created.
* Organise a system timetable to book appointments and mark those booked so you cannot double book.

# System Requirements

# Technology Used and Why

# Architecture of the Solution

# Design Methodology

# Features of the Implementation

# Limitations

# Known Bugs

# Recommendations for Future Development

# Conclusions