[Cover Page]

[Declaration]

**Table of Contents**

1. Introduction……………………………………………………………………………….
2. Design……………………………………………………………………………………
3. Design Principles

a.1.

1. UML Diagram……………………………………………………………………………..
2. UML Sequence Diagram……………………………………………………………..
3. Test Results………………………………………………………………………………..
4. **Introduction**

**Restaurant Reservation and Point of Sale System (RRPSS)** is a console-based application that facilitates restaurant tasks through a digitalized system, assisting with organising and managing processes like booking reservations, recording orders, printing receipts, generating sales reports and more. It is intended to be used by restaurant staff to allow an easier workflow of tracking various tasks, as much of the information is stored and managed by the computer as opposed to manual analogue bookkeeping. This report discusses the design principles and considerations of a particular implementation of the RRPSS, as well as demonstrating its effectiveness with testcases.