

SEG2105 – Introduction to Software Engineering – Fall 2019

**Final Report: Walk In Clinic Services App**

Presented To: Prof. Ayman El-Sawah

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Due Date: December 4th, 2019

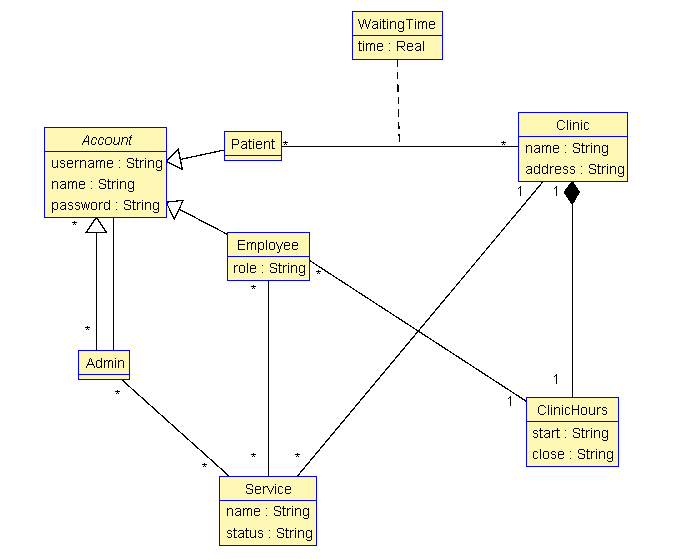
**Introduction**

The purpose of this project is to expand on the theoretical work, allowing the group to gain practical experience implementing the concepts learned in class. This project is also designed to allow everyone to learn how to work with our colleagues and develop mobile applications. Learning outcomes range from increased understanding of concepts relating to software engineering, to overall knowledge of programming for android, management and team-relation skills.

Through the term the group worked on the completion of a full application designed to aid walk in clinics and their patients. This application helps patients reach their preferred clinic by allowing them to search through various means. Also giving clinics opportunity to define themselves by displaying the services they offer, open hours, location ect.

This application is designed by the group to fulfil the requirements set out in the project page.

**UML class diagram**



**Contributions**

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| --- | --- | --- | --- | --- |
| **Name** | **Deliverable 1** | **Deliverable 2** | **Deliverable 3** | **Deliverable 4** |
| Roman Koval | Created functionality with backend database | Admin and Services functionality | Worked on secondary login screen for Employee account, clinic functionality | Patient functionality and report |
| Noel Khalaf | Designed Create Account Activity | Unit test cases | Worked on secondary login screen for Employee account | Unit test cases and report |
| Rylan Deck | Designed login activity | Unit Test Cases | Worked on secondary login screen for Employee account, clinic functionality | Unit test cases, patient screens, final design changes, and report |
| John Adkin | Created github and started layout design | Implemented Circle CI | Unit tests, Refined Circle CI | Fixed all circle Ci errors, Unit tests, and report |
| Aman Brar | Class diagram for UML domain model | Class diagram for UML domain model | Class diagram for UML domain model | Class diagram for UML domain model and report |

**Screenshots**

**Lessons Learned and Suggestions**

We learnt we need to plan our time better as we made many changes last minute in order to hit the deadlines. On top of this we learnt a good amount on layout design using XML and the various layout options Android studio offers.

We reinforced our knowledge on Java programing by creating the functionality to support the application, as well as a decent base knowledge in Android studio.