

# Nurse User Handover

GOPHER - GUARDIAN

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## Introduction

### What is this document?

This document is to provide context as to what has been implemented and what needs to be implemented in the future in regard to the Nurse user role. This document can be used to help new and returning members of the Gopher Guardian project to contribute and/or complete the Nurse user's implementation.

Unfortunately, due to time constraints during T3 2023 the Nurse user could not be completed. However, due to the groundwork introduced, the remaining features can be delegated throughout the team to ease the completion of the task.

## Overview

When logging into the Guardian application the user has the option of signing in as a 'Caretaker', 'Company Administrator' or 'Nurse'. The functionality to sign in as a nurse has now been implemented into the Guardian application.

Nurses will have access to a 'Tasks' list with its own dedicated page. These tasks can be created by Administrators or Nurses and will be uploaded to the task list accessible by all other Nurses.

The purpose of this is to provide further functionality to the Guardian application by introducing a new user role for nurses. A list of tasks helps to streamline a nurse's day to day activities.

The completed project will contain a fully functional task list that will interact with the database, allowing both nurse and admin users to create, remove, update and assign tasks easily.

## Components

### Kotlin

- *app/src/main/java/deakin/gopher/guardian/view/general/Homepage4nurse.kt*
  - This file is used to determine the functionality of the nurse homepage.
- *app/src/main/java/deakin/gopher/guardian/model/Task.kt*
  - A Kotlin file used to define the individual Task class type. This is used to define what is included in a task (i.e. The Task's ID number, The description, whether it has been completed, Etc.)
- *app/src/main/java/deakin/gopher/guardian/adapters/TaskListAdapter.kt*
  - This file is used to help convert received task data into the visual format on the tasks list page, allowing the task to be viewed.
- *app/src/main/java/deakin/gopher/guardian/view/general/TaskAddActivity.kt*
  - This file is used to determine the functionality of the Task Add Form. It should allow the task to be pushed to the Firebase.
- *app/src/main/java/deakin/gopher/guardian/view/general/TaskDetailActivity.kt*
  - This file is to determine the functionality of the task details. It is currently not used correctly.
- *app/src/main/java/deakin/gopher/guardian/view/general/TasksListActivity.kt*
  - This file determines the functionality of the Task List page.

### Activity Layouts

- *app/src/main/res/layout/activity\_homepage4nurse.xml*
  - This file is used to determine the visual design of the nurse's homepage.
- *app/src/main/res/layout/activity\_task\_add.xml*
  - This file is used to determine the visual design of the Task Add Form.
- *app/src/main/res/layout/activity\_task\_detail.xml*
  - This file is used to determine the visual design of a Task's details. It is currently not used.
- *app/src/main/res/layout/activity\_tasks\_list.xml*
  - This file is used to determine the visual design of the Tasks List page.
- *app/src/main/res/layout/task\_list\_item.xml*
  - This file is used to determine the visual design of an individual task in the list.

## Completed Deliverables

The nurse user and tasks list currently has the following functionality.

- Users can sign in as a 'Nurse' on the login screen.
- The Nurse has their own homepage, different from that of the Caretaker and Admin roles.
- The Nurse user can access the Tasks page from the icon on the homepage.
- The Tasks page has a button to redirect users to a form to add additional tasks.

## Roadmap

The following functionality still needs to be implemented.

- The Tasks list and form currently do not interact with the Firebase database, this is something that will need to be implemented.
- The Task add form should allow users to select a Patient the task is in reference to.
- Administrators should be able to access the tasks page from their home screen.
- Tasks should be able to be assigned to specific nurse users by administrators.
- Nurses should be able to sort and filter tasks on the task list page.
- Nurses should be able to filter tasks to show those only assigned to them.
- UI must be updated to appear as shown on Figma.

## UI Design

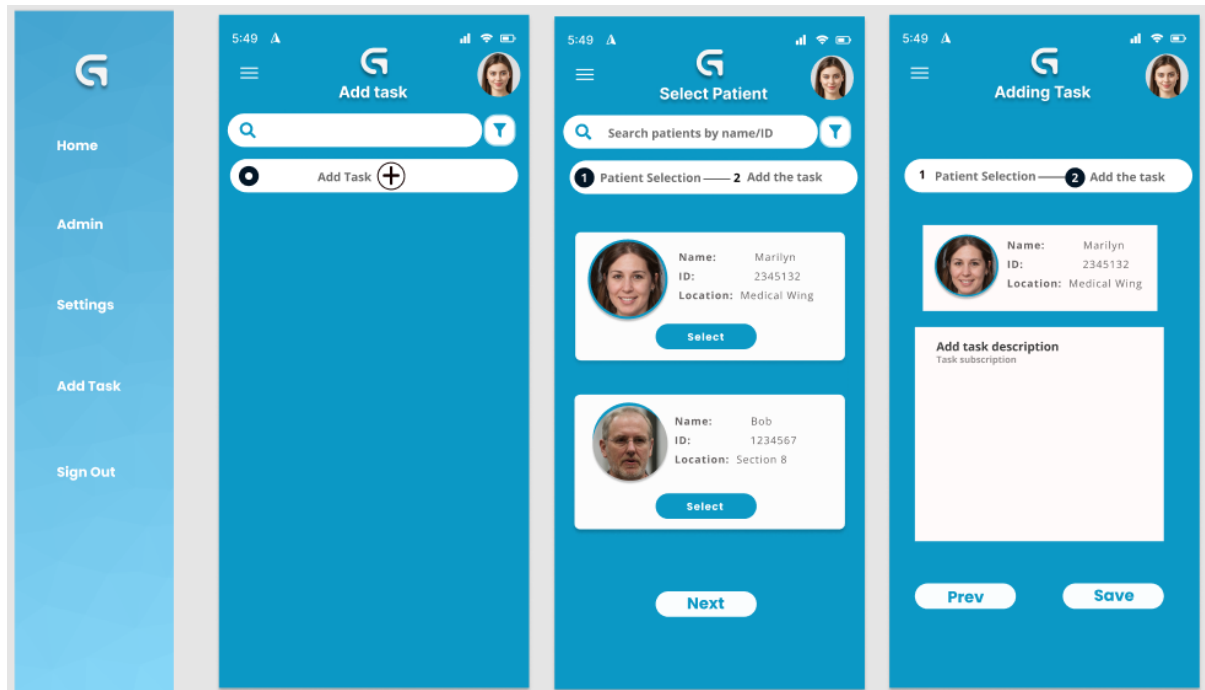
The UI for the Nurse user and it's tasks page needs to match what is included in the Figma document.

The UI design document is available here:

<https://www.figma.com/file/jScZFTPxECwGscFSTQP6CP/App-format?type=design&node-id=0-1&mode=design>

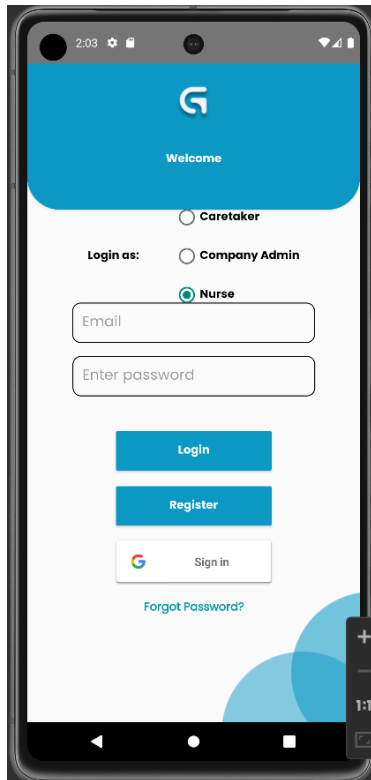
Mock-up:

Tasks List page & Task Add Form

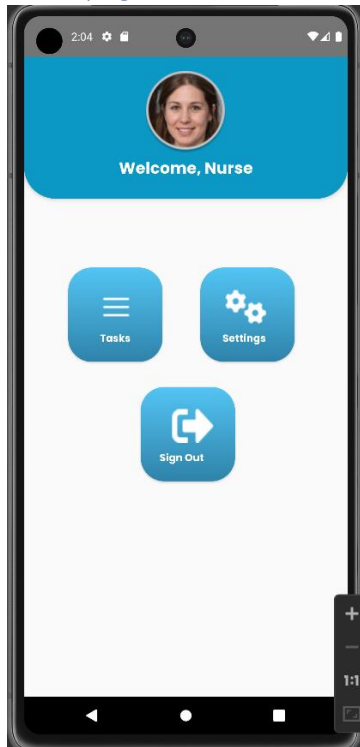


Current Design:

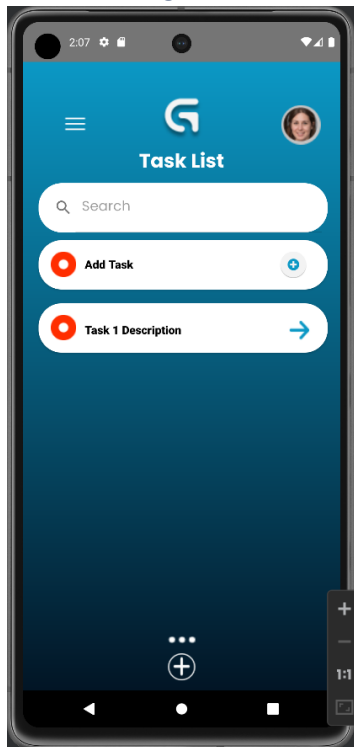
Login page



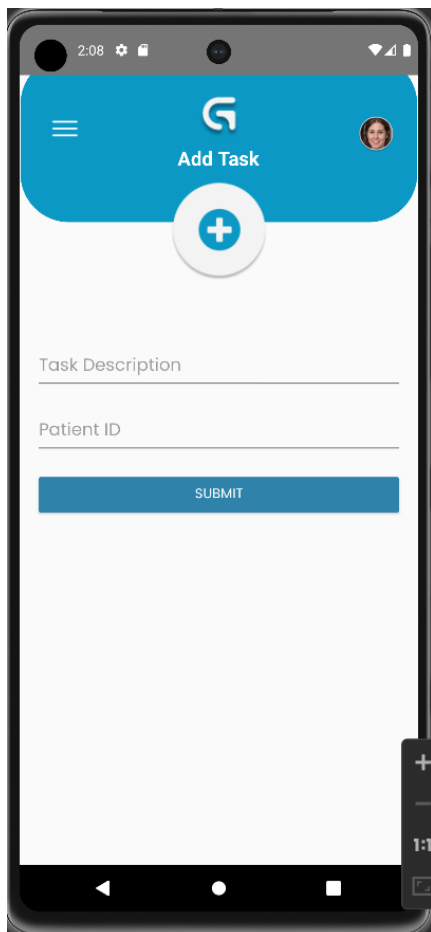
Homepage



Tasks List Page



Task Add Form





## Implementation & Beyond

Once the above has all been completed, and we have a working task list, the scope can be extended to implement more features. An example of how this could be extended could be:

- Assign different statuses to tasks (i.e. in progress, awaiting review, completed).
- Allowing tasks to be removed from the task list.
- Categorise tasks by importance.

These are not necessary features, however they could improve the overall user experience.