COMP2000 - Coursework 1 30%

**Exercise 1:**

**Users of the system**

Admins

Goal: To be able to efficiently manage employee records and approve/deny holiday request. To ensure the salary increases are applied automatically.

Characteristics: Admins may be more experienced with using admin tools, so may find manual management inefficient and prefer an automated system. They will most likely be HR managers.

Admin Tasks

Admins will be notified when an employee requests a holiday. This means that they can also approve or decline employee holiday requests. Admins will manage employee details by adding, editing or deleting them off the system. The system will automatically apply a 5% salary increase when an employee completes a year of working.

Employees

Goal: To be able to update and view personal information and to request holidays.

Characteristics: Employees will vary in technological skills, meaning that the interface will need to be simple and user friendly. They may be frustrated if holiday requests and processed quickly or if the app is too complicated for them to complete basic tasks (editing details or requesting holidays)

Employees will be able to view and update their own personal details (such as address, phone number etc). They can request their own annual leave (30 days per year) and will be notified when their holiday request is accepted or denied.

**Context of Use**

The system requires the users to log into their accounts to be able to complete tasks. The app will access the data store through the RESTful API web service, for admins that need to manage employee data via HTTP. Push notifications can be sent to users based on their preferences (either on or off).

Admins and employees are required to collaborate through the app, for example, an employee may request a holiday, and the admins will respond by approving or denying the request. The communication is done through push notifications, however these can be turned off depending on the user’s needs.

The mobile application is intended to be used on various mobile devices, meaning that the interfaces should vary resolutions and dimensions to fit each phone. Due to it being a mobile app, this means that the employees and admins may use it at work or on the go.

There are no set time constraints or limits when it comes to users managing their tasks. However, notifications about holiday requests or approvals/declines need to be timed so that both employees and admins will see the changes promptly.

Some admins may have more authority than others, meaning that there may be a hierarchy, with some admins only able to manage employee data and others managing employee holiday requests. However this was not specified.

**Exercise 2:**

Employee/Administrator

A screen shot of a phone

Description automatically generated

Employee Side

A screenshot of a phone

Description automatically generatedA screenshot of a phone

Description automatically generatedA screen shot of a phone

Description automatically generated

A screen shot of a phone

Description automatically generatedA screenshot of a phone

Description automatically generatedA screenshot of a phone

Description automatically generated

Exercise 3