IY3821: Final Year Project Plan

Software Requirements Document

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1. Introduction

As discussed in the project plan, we are building an EPR system to showcase the implementation of a robust modern authentication system. The goal here is not build a good looking application but something that can be used as a guideline to build secure applications with authentication and authorisation features using OAuth2.0 and OpenID Connect.

The ERP Solution is built for employee Human Capital Management. This means that everything that a company needs to do in terms of HR should be managed here. For example, hiring, firing, moving positions, accepting holiday applications etc. Some of these features will be implemented to show case role based access control a very important part of Authorisation.

2. Roles and Authorities

2.1 Employee

An employee should be able to do the following things:

- Create an account into the system using Google or Microsoft account.
- Log into the system using their google or Microsoft account.
- The system should automatically identify the users full name, email, profile photo from google, microsoft account.
- change phone number, password, address and profile photo.
- apply for a holiday up to 25 days per calendar year not including weekends.
- request a resignation
- should be able to see their payslip

2.2 Manager

A manager is able to do all those tasks plus the following:

- Accept the holidays for everyone in their team
- upload a payslip for individual employees in their team
- add new employees in their team
- remove employees in their team

2.3 Admin

The admin is someone with all those privileges plus the following:

- edit personal details of every one in the company
- remove and add any user in the company

3. Conclusion

This is a very brief and informal software requirements document but gives a starting point for development. test