DEPARTMENT OF ELECTRONIC AND TELECOMMUNICATION ENGINEERING UNIVERSITY OF MORATUWA

CS2832 – Modular Software Development

**Group Project**

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# Introduction

This is a system which connects undergraduate students and companies who is offering internships . In this software there are three end users.

1. Undergraduate students
2. Companies
3. Administrators

This report describes software process of this software, including requirement specification with use case diagrams, architecture description diagrams and development process of our software.

We have implemented this software using our knowledge of HTML,PHP,CSS ,MySQL.

# Requirement specifications

## Student

* Student should be able to create an account
* Student should be able to edit his profile
* Student should be able to upload his CV to have a better idea about him
* Student should be able to search companies and view their profiles
* Student should be able to apply companies
* Student should be able to accept request from the companies
* Student should be able to change his account’s password

## Company

* Company should be able to create an account
* Company should be able to edit their profile
* Company should be able to show their skill requirements to have an idea about what they need
* Company should be able to search students and view their profiles
* Company should be able to send requests to students
* Company should be able to confirm applied students
* Company should be able to change their account’s password

## Administrator

* There should be a super Admin whose account can’t delete
* Admin should be able to edit his profile
* Admin should be able to add another Admin and edit his profile
* Admin should be able to add another Student and edit his profile but he could not be able to apply companies
* Admin should be able to add another Company and edit their profile but he could not be able to send requests to students
* Admin should be able to search students and view their profiles
* Admin should be able to search companies and view their profiles
* Admin should be able to change their account’s password

# Use case diagrams

## A picture containing text, map Description automatically generatedadmin use case diagram

## company use case diagram

A picture containing text, map

Description automatically generated

## student use case diagram

A picture containing text

Description automatically generated

# Architecture Description

For this website we used layered architecture. Following diagram will describe the architecture

# Testing and evolution

We developed this website using agile development process. It means that this system was developed step by step. We tested each unit while developing (unit testing). if there were errors we had to repeat the developing process for regarding unit. When we completed the unit testing, we focused on testing the whole system.

To execute the system testing process, we tested our system on sample users. Then we changed our system according to their feedback.