

## **Proposal**

### **Employee management system**

## **OUTCOMES**

The system proposed is an Employee Management System which will facilitate and help organisations effectively manage records of their employees, it will have a great deal of impact in terms of efficiency helping organisations easily retrieve information concerning the employee history, the Employment Management System overrides the problems that prevail when working with manual systems.

## **Objectives**

The Employment Management System is an enterprise application that serves to cater for business organisation such as small, medium and large corporations as well as non – profit organisations. The purpose of the system is to handle, organise and maintain personal and official details of the employees, it aims to simplify tasks of maintaining records of employees of a company by developing a well designed and comprehensive database to store, process and retrieve employee information and provide full functional report to management of a company.

## **Outline deliverables**

The system will contain a login page with a username and password that will authenticate to the main page, the main page will contain employee information as well as operations such as the SAVE, DELETE, UPDATE and CLEAR buttons with a database table to the right hand side containing employee information, it will also contain a report button that will produce a full functional report of the employee.

## **SCOPE**

The system incorporates a search bar that will assist in locating a specific employee and their record from a database, an attachment where there will be additional information, employees will be assigned to different departments in accordance will the required skills.

The system will only be operated by the administrator and stakeholders such as the manager, it will not be able to be accessed online but only through the use of the application on desktop and laptop.

### APPROACH

The system will be developed using object oriented approach of the system development life cycle and it will use a strongly typed programming language called java as well as a relational database management system called SQLite that will work with java to maintain information.

### EXCLUSIONS

The system will not have a mobile based application or online based application, it will only be exclusively a computer based application.

### CONSTRAINTS

Machine breakdown, run time error and bugs are factor that might prevent the system from executing its roles.

### OUTLINE BUSINESS CASE

The Employee management system will utilise a variety of platforms to market itself to organisations, there will be third party applications involved in marketing it as well as the use of social media such as facebook, youtube and blogs. There will be fliers distributed to small businesses.

### REASON FOR SELECTING THIS SYSTEM

Small and medium size organisations or businesses has often used manual systems of storing employee records where files would be kept in shelves which would often lead to problems such a exposure to dust, theft, time consuming, lost files. So the system will address such problems by providing safer, efficient and productive management of all employee records for all organisations.

## PROJECT PLAN

The project is to commence in the 1<sup>st</sup> of January to the 20<sup>th</sup> of January which will focus on the planning of the system. From the 21<sup>st</sup> to the 5<sup>th</sup> of February will be the design and analysis phase, from the 6<sup>th</sup> to the 10<sup>th</sup> of March will be the execution of the system and lastly from the 11<sup>th</sup> to the 5<sup>th</sup> of May will be the implementation and support for the system.

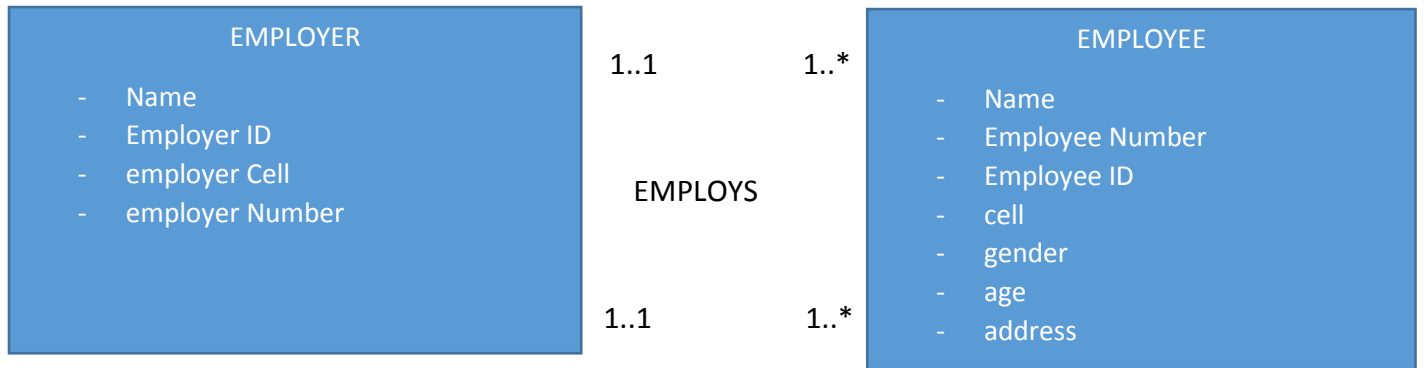
## QUALITY EXPECTATIONS

The system will be designed to run across all platforms of operating systems and at different resolutions, it will be designed to use up less memory as possible which will help in terms of efficiency.

## RISK ASSESSMENT

There will be a number of factors that could hinder the performance or execution of the systems such as run time error or bugs which could cause the system to stop responding or shut down, there could be a computer shut down or fault. One of the contingency plans will be to exploit cloud storage where the records of all employees will have a back up plan to be stored online, a line will be available to provide technical support.

## CLASS DIAGRAM



## **WORKS**



## **CREATES**



## ENTITY RELATIONSHIP DIAGRAM

