

CAT404 – Software Engineering Major Project
Project Proposal
NewBGradSupp - New Graduate All in One Platform
(Subsystem 2)
SE22230031

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Abstract

Every person will, at some time in their lives, must make important job decisions. A person's future will be impacted by making the wrong profession choice, including feelings of unhappiness, job stress, and finally employment withdrawal. The purpose of this project is to help graduates student in finding a job and provide detailed information about the job and the relevant salary based on their skills and qualifications. For this project, job listings were collected and analyzed from several Internet websites specializing in technology related to employment. Salary research can give the user a better idea of determining the ideal range to aim for as well as the raises they can anticipate as their career progresses. Therefore, this will help fresh graduates to make a better decision on choosing their career as the system provides detailed information about the job.

Keywords: career decision making, salary, fresh graduate, job

1. Project Background

Career decision-making is a process that every person must go through especially fresh graduates from any educational institution [1]. It requires careful thought and extensive study that takes time and is complicated. In this 21st century, job prospects

worldwide are impacted by various challenges such as globalization and technological advancement. These issues have significantly altered global trade and economic policy, particularly in the area of human capital, which is of great importance to governments worldwide [2]. A new economic slowdown in Malaysia brought on by slowing global growth has had a negative impact on employment chances, particularly for recent graduates. The lack of work options for graduates may force job searchers to accept positions for which they are overqualified. Additionally, graduates can have trouble finding employment since their subjects of study did not equip them with the necessary knowledge or abilities for some positions. Fresh graduates may consequently have little choice but to accept any job offer in order to make ends meet, which leads to the issue of skill mismatch [3]. Thus, this will help the job seeker determine the best position that meets the requirements of the company.

2. Problem Statements

NewBGradSupp system is a system that helps job seekers which is fresh graduates to find jobs that match their qualifications. Since fresh graduates don't have any experience in working, this will help them to do research to select a career path. There are many aspects to look at when making a career decision and one of them is the salary. It doesn't matter if fresh graduates have a specific salary requirement or not, it might be helpful to learn about average compensation for the jobs if they intend to apply for it [4]. Besides, a study has found that salary is an important factor when job seekers make job choices because the main purpose of working is to earn a salary to meet personal needs. This system will help them to see the relevant salary they will get for specific jobs in different locations.

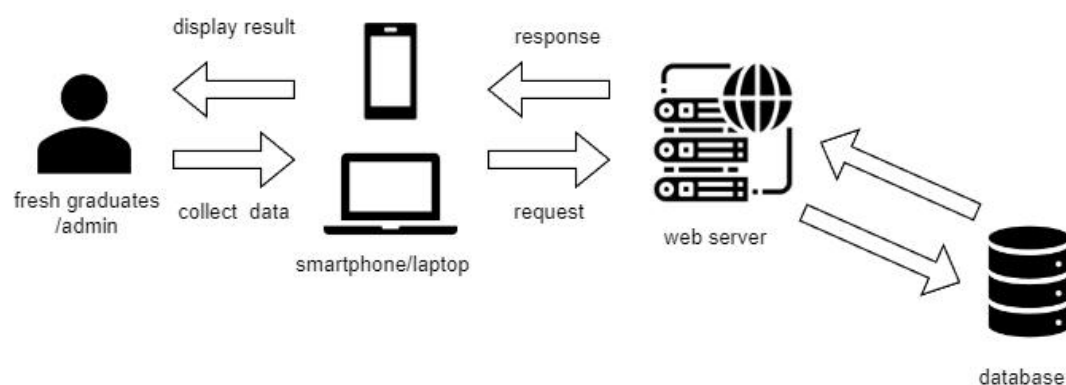
3. Motivation

The motivation to develop this project is because the increasing number of graduates, especially undergraduates are facing more challenges in identifying suitable job positions. This is beneficial for undergraduates to find job positions aligned with their qualifications and a suitable range of salary. Besides, user also can get a better idea about certain careers and whether they might be a good fit for them or not. This system gives an overview of how to reply to the recruiter if they are being asked about

the range of salary they expect. It's crucial to be ready no matter when you're asked for this information.

4. Proposed Solutions

This proposed NewBGradSupp is a platform to help fresh graduates in finding a job that aligned with their qualifications. This idea was equivalent to SDG 8 which is to promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all [4]. The system will be built using PHP, HTML, CSS, Bootstraps, MYSQL, and XAMPP. Moreover, the latest human-computer interaction (HCI) ideas will be used to create modern, straightforward interfaces that will improve user experience. This system will list the job positions with a suitable range of salary and detailed information of it based on user details, skills, and qualifications. This proposed solution will give an idea to the fresh graduate to know the range of salary of the job position with the detailed information of the job.



The architecture diagram of NewBGradSupp system

There are two types of users which are fresh graduates and admins. They can use either a smartphone or laptop or any devices that can access the internet and server to go to our website. Fresh graduates can do the research by entering the job title and the system will list the salary range in various cities with different employers. This will help them in identifying a suitable job they can apply for based on the qualifications they have. The admin of the system is responsible for the update and managing all services on the website.

5. Benefits / Impact / Significance of Project

This system opens the door for fresh graduates to research job positions and the responsibility they need to bear with the relevant salary paid by the company. Users also can create a shortlist of their serious career possibilities to start their career. As the graduates are starting their first job, it's important to get the full picture before they sign the contract. Researching the company and the job fully will help them understand what they are getting into. Another great form of leverage is knowing what they're currently worth. With a little research, they can find that the average salary for a job position is more than the other company offered. And if the company is willing to hire, they may decide to accommodate them.

6. Uniqueness of Proposed Solutions

To differentiate this project from other platforms, this project is in a dynamic state which means, each user will get a different result based on their data entry. This project lists the range of salaries with detailed information on job positions. Besides, for all skills and qualifications that the user keyed in, the system will suggest the best job position that meets the user's requirements. This system gives an overview of the job position and expected salary to the fresh graduates as they are going start their careers.

7. Expected Outcomes

By the end of this project, NewBGradSupp system is expected to

- Able to search for job positions.
- Able to list the job with detailed information.
- Able to view the range of salary for the job position.
- Able to view the range of salary for the job position.

8. Status of the Project

This NewBGradSupp is a new project. The system functionalities in this project are similar to the payscale website that help jobseekers, employees, and business gets

paid right and make sustainable fair pay a reality. This project is in the development phase but the process of finding the gaps in the proposed system with the existing solution objectives is continued to grasp a better understanding of the problems that arise in the current system.

9. References

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10. Appendix

	OCTOBER		NOVEMBER					DECEMBER				
TASK	W3	W4	W1	W2	W3	W4	W5	W1	W2	W3	W4	W5
PHASE 1: PROJECT BIDDING												
a. Students bid projects that are of interests.												
b. Lecturers perform students' selection (project confirmation).												
PHASE 2: PROPOSAL												
a. Initial proposal preparation.												
b. Submit project proposal.												
c. Lecturers review the project proposal and provide comments/suggestions to students.												
PHASE 3: SYSTEM REQUIREMENT AND DESIGN												
a. System analysis and requirements identification and report preparation.												
b. Submit system requirement and design report (SRD).												
c. Presentation of System Requirement and Design (SRD).												
d. Prototype development and testing.												
PHASE 4: PROGRESS REVIEW												
a. preparation for project progress demo.												
PHASE 5: FINAL PRESENTATION												
a. system development, system integration, system testing.												
b. submission of softcopy final report to examiners and supervisor.												
c. perform system demo.												

Gantt chart for subsystem 2 of NewBGradSupp – New graduate all in one platform