

Universiti Teknologi MARA

**Development of Web-Based Job Seeking
System By Using Data Matching
Technique**

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ABSTRACT

The internet has fundamentally changed the way workers and firms are matched on the job market. Compared to newspapers and other traditional employment resources, online job boards presumably lead to better matches by providing a wider choice of job advertisements and more sophisticated methods for finding suitable vacancies. Major functionalities of the site include providing services to recruitment agencies, software and hardware development companies and jobseekers. However, there are no job seeking sites that offer employers to filter their candidates by using online interview questions. Therefore, this research is about the study of developing a web-based system for job seeking purposes that will allow employers to ask questions to the candidates and the candidates can answer their questions on the system itself. The objective of the project is to identify requirements, design and develop a web-based job seeking system. Employers can filter their candidates by reviewing their answers. The method used in getting the requirements is by interviewing firms that are often used online job seeking sites to advertise their vacancies. The development tools used in developing the system are Adobe Dreamweaver CS6, MySQL 5.0, PHP/Client-server Application and WAMP Server. The methodology that is most suitable in developing this system is the System Development Life Cycle or also known as SDLC model, because of its systematic approach in developing systems. In research and findings, the functional and non-functional requirements, use-case description, work system, and storyboard of the system were defined. Future works that should be added to enhance the system is by implementing the data matching technique on the interview questions to allow better filtering results for employers to filter the candidate answers on the interview questions.

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CHAPTER 1

INTRODUCTION

In this chapter, a brief explanation about the background and rationale for the study will be explained.

1.1 Project Background

As the Internet has become an increasingly vital resource for finding and applying for jobs, it will bring a huge changes to the world of job seeking. As web based system has increasingly being used by user, developing a web based system is really helping the user to know the system well.

The number of unemployed fresh-graduates in Malaysia is constantly increasing each year. Al-Otaibi et al. (2012) states that, this is possibly because their resume have not been seen by the employers regarding to loads of application going in the company. When there are a lot of applications barging in to the company, the firm itself might overlooked loads of resumes and they just take a small amount of candidates to be viewed. Therefore, the firm might lost a potential worker that can be brought to their company and candidates will feel that they are not good enough for any vacancies that have been posted online (Fallon, 2014).

There are a lot of sites that offer their users with job seeking services such as Jobstreet, LinkedIn and SimplyHired. They are all offering their users the ease of finding jobs and some of them also offers navigation tools for their users. Apart from that, there is a thing that all of the systems lacked of which is the ease of filtering candidates applications. This issue resulted in many of candidates been overlooked by employers.