Part Time Job Management System(HelpWanted)

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Abstract: Along with the rapid development of computer technologies, most encountered management problems in the society can be solved using computer-aided technologies. However, community especially in rural area are still using manual advertising technique which include printing their ads on paper and post it on board around the strategic areas. This method are cost effective but are not very efficient. Job posted are unable to be fully advertised due to less attraction or was hidden between new job advertisements. Thus this project propose unique solution for this problem by developing a job portal for advertising purpose which called Part Time Job Management System (HelpWanted). HelpWanted is developed using web technology for use to Project Perumahan Rakyat (PPR) resident. This system will cover 3 type of user that is Job Seeker-PPR resident that looking for part time job, Employer -Employers that will offer and advertise their job in HelpWanted system and lastly Admin that will manage registration and advertisement. This application was created according to evolutionary process model and prototyping process model. The system design was also being included in this project where the designs were being represented in Unified Modeling Language (UML).

Keywords: Job Portal, Web Application, PPR, UML.

1.0 Introduction

People with low income nowadays often struggling with their household budget with current economy. Some of them are willing to do extra job or part time so that they can get extra income for their household. However, there not much media that can be used to search or post job for part timers and thus making job finding difficult. Most common job that needs help from part timers are like helping people moving to another location, roadshow salesperson and private tutor.

This is where HelpWanted come with it main purpose to become a medium for requester post job so that job seeker is able to apply and get the job.. HelpWanted is a web based system focused on creating a platform where people can either post part time job for online viewing or take job offer from the list of available jobs. The main platform of HelpWanted will be web based where users can access it by using any internet browser they have on their personal computer or laptop. All the database will be kept in online server to provide opportunity to access the site at anytime and anywhere around the world.

Several objectives has been identified for the development of this system which are: (i)To identify and analyze the requirement for part time job management system, (ii)To design a website of part time management system, (iii)To develop a website of part time management system, (iv)To test the developed system with appropriate testing techniques
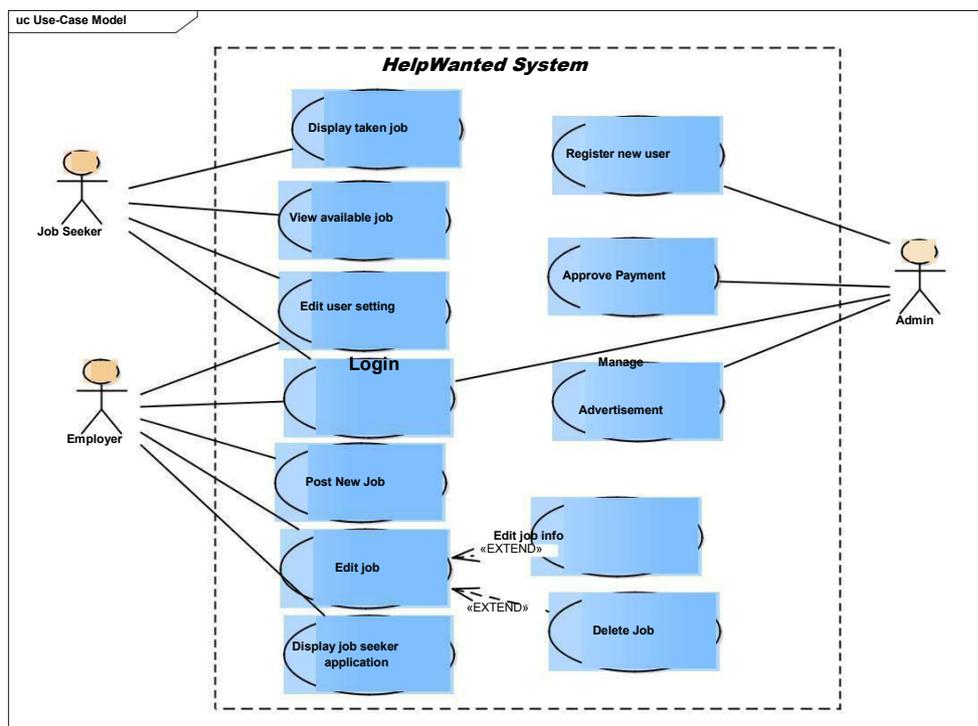
HelpWanted will cover the area of Skudai and are limited to job that have duration of 1-60 days and involve 1-10 participant. The only supported platform will be web based which require web browser to access. Its beneficial to job seeker and employer as as follows : (i)Help job seeker find appropriate extra job around their area, (ii)Help employer find worker for his work task.

2.0   Methodology

Prototyping model has been chosen for the development of HelpWanted system. This is because the system are developed using currently know requirement and it might have some severe change after prototype has been released. This make HelpWanted system easier to identify error and missing requirement while user can actively involve in the development.

3.0   Result

Use case diagram is used to show the relationship between the actor and the use case.Figure 1 below shows the use case diagram of HelpWanted system
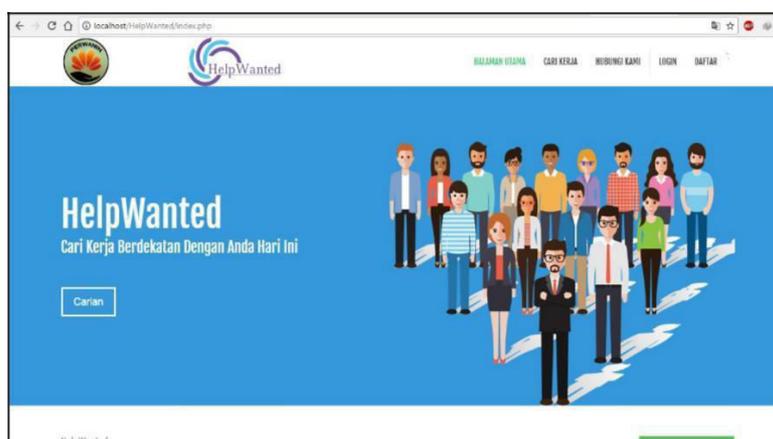

Figure 1 : Use Case Diagram

Table 1: Use Case Specification

Use Case	General Description
View available job	This use case describes how job seeker can find list of available job through HelpWanted system.
Display taken job	This use case describes how job seeker can display all job he/she has applied and it status.
Edit user setting	This use case describes how user can change their user setting such as phone number and address.
Post New Job	This use case describes how employer can add new job into the list of available

	job in HelpWanted system.
Edit Job	This use case describes how employer can change or delete job that he/she already post before from the HelpWanted system
Display job seeker application	This use case describe how employer can view list of job seeker that applied to job that he/she post in the HelpWanted system.
Register new user	This use case describe on how admin can insert new user into the HelpWanted system
Approve Payment	This use case describe on how admin can approve payment and display employer's advertisement
Manage Advertisement	This use case describe how admin can edit duration, enable and disable advertisement

Figure 1 show use case for HelpWanted with it specification in Table 1. There are three types of user of HelpWanted system that called job seeker and employer and admin. The features of HelpWanted system for job seeker are view available job, display taken job and edit user setting. While the feature for employer is post new job, edit current job,display all job seeker request and edit user setting. Lastly admin can register new user and edit/delete user.

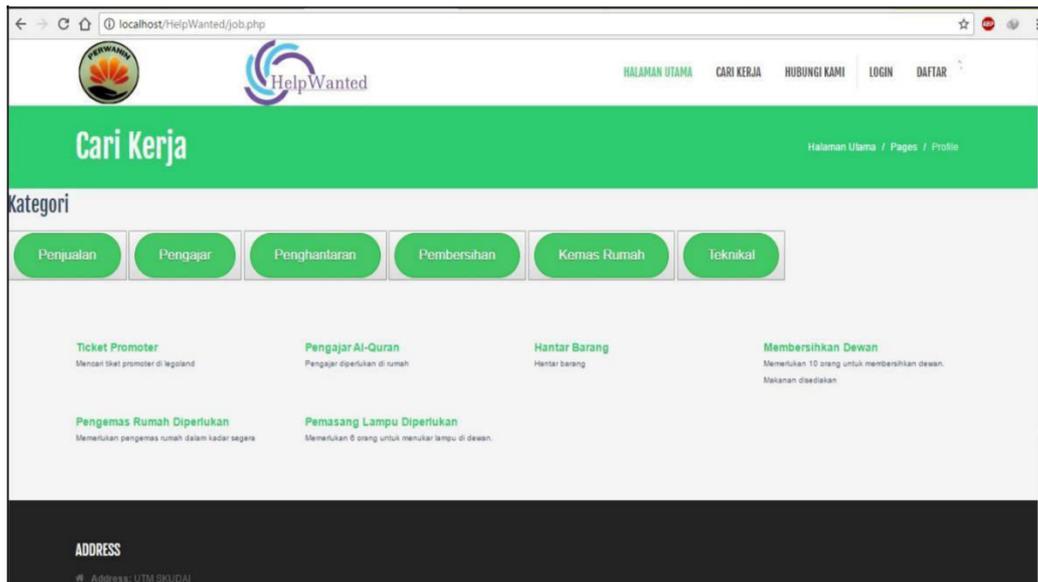**Figure 2 :** Front Page of HelpWanted system

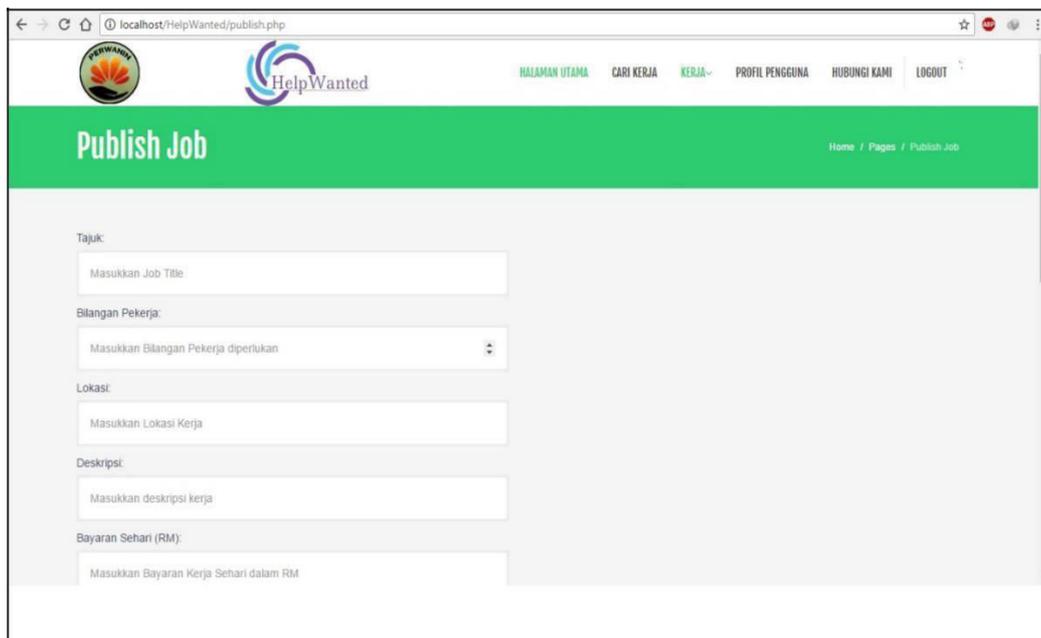Figure 3 : Find Job Page for HelpWanted System

Figure 4 : Publish Job for HelpWanted System

Figure 2,3 and 4 are example of GUI for HelpWanted system. User need to register and then log in into the system in order to use most of functionality offered in HelpWanted. However, different user type have different access into. For example, Job Seeker wont be able to access publish job page due to avoiding conflict that might happen.

4.0 Discussion

The purpose of this project is to create a part time job management system for PPR resident near in Skudai area.With this system, Job Seeker will able to find part time job easier which hopefully can supplement their income to overcome high living economy that we are currently facing. Employer also are able to advertise their job easier and more efficient by using HelpWanted.

At the end of this project, HelpWanted has been succesfully build to meet the objectives, specification and requirements that has been identified in the early stage of this project. The system are build using web programming language such as html, php,ajax and are running on epizy web hosting since March 2017. However system itself has gone through lot of changes in its content and design due to feedback from user.

5.0   Conclusion

In conclusion, HelpWanted is a web based system developed by using latest technology which are HTML5, CSS3 and PHP programming language to connect into MYSQL database. The main goal of this system are include to help Job Seeker find extra job and Employer to advertise his/her job.

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