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Designing a Web-Based Career System Using the Laravel Framework

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ABSTRACT

Advances in data and communication technology are growing rapidly. Especially in terms of data, data plays an important role in life. In this modern era, data is carried by a technology called the internet. In this case, the internet makes it easy to provide data about job vacancies, one of which is job vacancy websites. Without data it will be very difficult to get something you want, like getting a job. Profession is a matter that is very important for the survival of some people, therefore many people have difficulty getting data on a profession, but there are also people who have an industry who also have difficulty getting employees quickly and with the skills that match the required aspects. To overcome this problem, a website-based job vacancy application arrangement was created called a web search program, using the waterfall method, made using the PHP programming language and MySQL as the database. With this application, it is hoped that it will make it easier for applicants to find data on professional vacancies and make it easier for an industry that is looking for employees quickly and with the right skills.

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1. INTRODUCTION

In modern times like today there are still many people who do not have a profession, this is due to the difficulty of obtaining data on job vacancies. In searching for data on job vacancies, applicants usually use the manual method, namely by visiting the industry to see notices containing job vacancies, carrying out searches in stamped media such as newspapers, magazines, circulars or by word of mouth. In seeking event information, candidates as a rule use manual methods, in particular by going to the group to view notice sheets containing event opportunities, carrying out forms on paper such as papers, magazines, brochures or deliberately following other people's chat data. This method has drawbacks because the candidate must go to the desired group with a deed of requirements, introductory messages and other prerequisites that use a lot of paper and maybe if the stated wish will

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be easily torn, served to water when they appear in the group[1]. Complaints are not only from activity trackers, companies also sometimes need employees quickly.

Of the 2 problems above, there are many solutions, one of which is to use internet technology, this is because the internet can provide data very quickly and precisely. One way to provide data via the internet is to use the web, there are already a number of websites to show job vacancies, but very rarely are websites that provide job vacancies and also help companies to carry out industry recruitment so they can recruit employees. Therefore a "Web-Based Activity Search Data System" was created which could provide a solution to these two problems.

Professional vacancy data is one of the necessary data and has a very fast update. From this problem, research was carried out to conceptualize a job search data system which was coupled with the support of maps to show positions with industry profiles that open professional vacancies that would appear on maps or charts [2]. Make it more helpful for activity trackers to view job vacancy information and show companies that have entered professional data. In this activity search data system job vacancies will be displayed on maps along with the company profile.

2. RESEARCH METHOD

In the preparation of Web Platform Activity Search Applications Using Laravel, use the waterfall system development form. There are several levels of research used in the Development of Applications Search for Web Platform Activities Using Laravel. The research level can be observed in Figure 1.

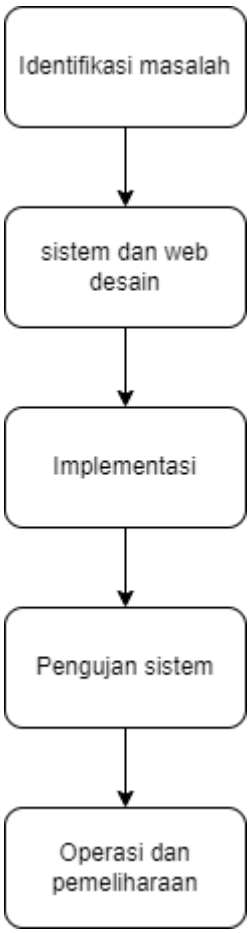

Figure 1. research stage

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The description of the stages of the research is as shown in Figure 1 as follows: The initial step is the introduction of the problem. In this step, an in-depth analysis of the level of the system to be made and what kind of system will work behind it will be attempted, so that you can understand well the process that takes place. After that, carry out an introduction to the system that you want to use, from the results of the introduction of the system that will be made in the form of a web using the Laravel framework as the basis for the system, besides using the Laravel framework because it already has a mail gateway feature [3].

In the System step and the website concept, a concept or form arrangement for the activity search application will be attempted and a method arrangement will be carried out that is intertwined in the application in the form of Use Case Charts and Activity Charts from the activity search system [4]. In the Application and Part Testing steps, you will try to create a website in the form of coding or create a program for the system from the application search program and use the existing concept or form from the previous step [5]. In this coding method, try using the Visual Studio Code compiler, the result of this coding step will be in the form of a web search program [6].

In the Integration and System Testing steps, web testing will be carried out, web testing will be attempted to find out if the website is in accordance with the concept and all functions are running well.

The last step is Activity and Maintenance, in this step there will be several things that can be done so that the program that has been made can be used properly, in particular by writing all the information about the program, following the program that has been made and accumulating results in the program that already contains the type of information . Use Case Chart is a description of the capacity of the activity framework in accordance with the perspective of the consumer's activity framework. Using a CaseDiagram works by using an atmosphere, which is a description of the stage setting that describes how the customer carries out the activity framework or vice versa [7]. Use Case The chart made is shown in Figure 1.

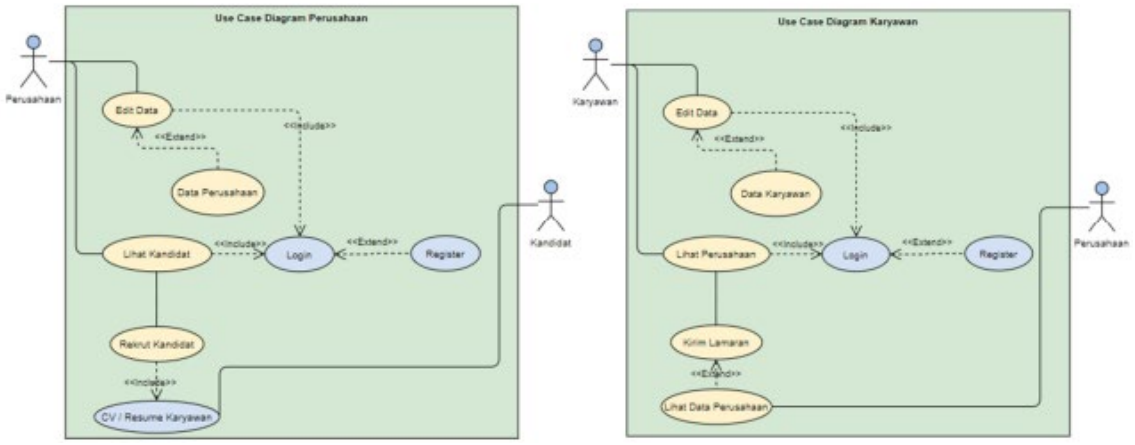

Figure 2. Company and Employee Use Case Diagrams

The use case chart on the left shown in Figure 2 has 2 actors, namely the industry and candidates who carry out activities on the Activity Search website. In this use case it describes industrial activities that want to recruit an employee, the gist of the use case above is that the industry must have an account first to be able to use the job search website after that it is required to load industry information so that it can appear on the activity tracking page and the industry has a feature for recruiting employees with an estimated CV or resume from the profile of the tracker of recruitment activities to be sent via email[8].

The use case chart on the right that is rejected in Figure 2 is a use case for employees who want to submit applications to industry. In the use case there are 2 film stars, namely employees and companies, here the way it works is almost the same as the use case for the industry chart in Figure 2,

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the first time you have an account and load your personal information after that upload your CV or Resume. sent via e-mail.

Activity Chart describes a niche activity by means of stages for stages in a system[9]. There are 2 Activity Charts that are made to show how the recruitment process and the applications that occur in the system. The Industry Activity Chart is shown in Figure 4 on the left and the Employee or Candidate Activity Chart is shown in Figure 4 on the right.

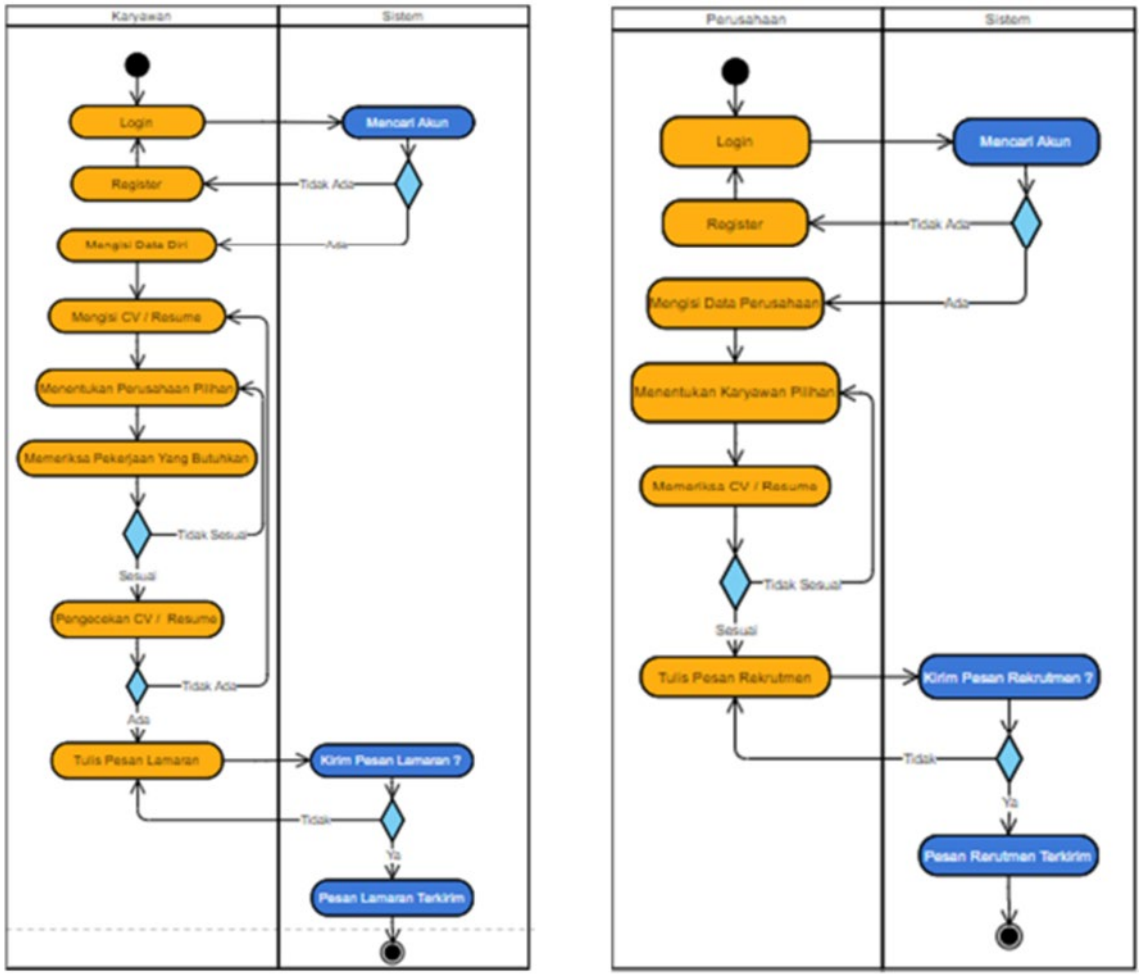

Figure 3. Company and Employee / Candidate Activity Diagrams

In figure 3 to the left of the Activity Chart from the web, look for activities that prove the activity involved in the industry's recruitment process for candidates via the web. Initially, the company must have an account to be able to log in, if you don't have an account, you must register first. After logging in, the industry must contain industry information to define the industry and which aspects are still in need of employees, instead of waiting to receive an application from a candidate, the company can recruit employees if the candidate's personal information and skills match what the industry requires. After that, to send recruitment, candidates who wish to receive recruitment records must first have a CV or resume, if a candidate does not have a CV or resume then the job search website will automatically make the candidate unable to receive recruitment records from the industry. However, if you already have a CV or industry resume, you can send recruitment records, the recruitment records will be sent by the Kejra search web to the relevant candidate's email.

In figure 3 to the right of the Activity Chart from the web search for activities that prove the activity that is intertwined with how to apply to the industry via the web search for activities. Initially,

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a candidate must log in to the website looking for activities, to log in requires an account and if you don't have an account, you must register first. After that, after logging in, the candidate must load personal information and upload a CV or resume, both of which must be carried out in order to be able to apply to an industry. After that the candidate can choose the desired industry and submit an application by pressing the existing propose button, after that the candidate can write an application message and send it.

3. RESULTS AND DISCUSSIONS

In this section describes the results of the preparation of the system and the application of the program. The preparation of the system uses the Use Case Chart and the Activity Chart. The results of the coding will be in the form of a web page interface that uses the Laravel framework. The results of the coding that has been tried will be in the form of a website looking for activities, on this website the Laravel framework is used. The use of the Laravel framework is because in the Laravel framework there is already a mail gateway system, so there is no need to add third-party applications. The laravel framework is also used as a web page layout, its use exists.

The main page is the page that is first visible and accessed by users or consumers in the activity search data system website. On the main page there are menus such as the Home menu, activity vacancies, Registration, and Login which looks like in Figure 4.

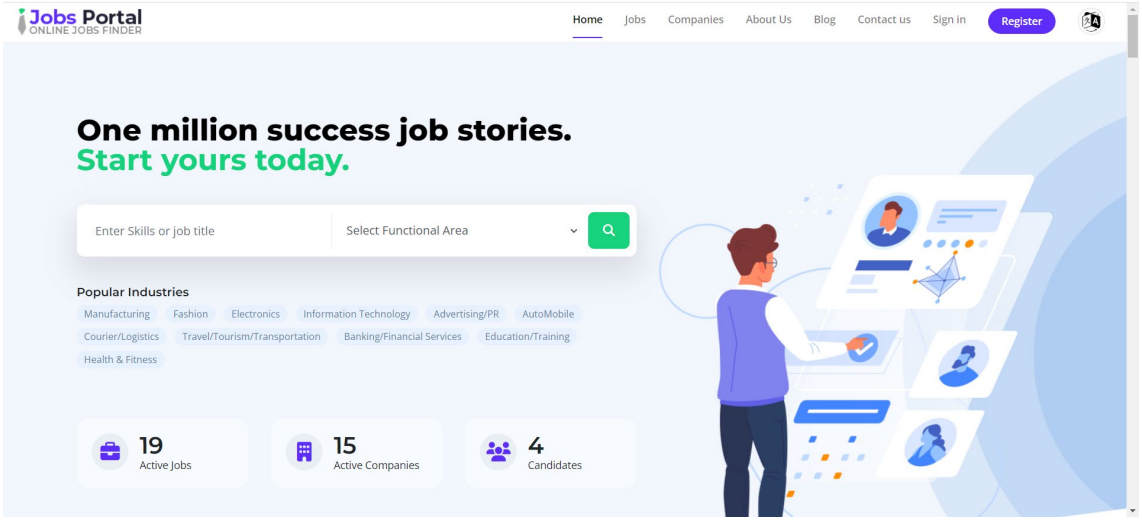

Figure 4. Home Page

4. CONCLUSION

The conclusion from the preparation of the application is to search for web-based activities using the Laravel framework and the waterfall method. By using this application there are many benefits, such as easier to get data about industries that are currently opening vacancies, providing relief for job applicants without having to carry various files and requirements in hardcopy form, job applicants can directly apply to the industry they want without having to arrange an agenda with industry officials, applicants can also get direct recruitment from the industry if the industry is interested, then from the security sector the delivery of records has been completed with encryption.

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