

Development of “Ruang Alumni” Information System Based on Web

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ABSTRACT

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Alumni are graduates of a school, college, or university. As at Private University in Jakarta, every year there are new alumni. After graduating from college, Alumni are usually busy working or continuing to higher education, they will be separated by distance. Based on these problems, a media is needed to interact with other alumni and this media can also be used by Alumni in helping the campus in collecting data on other alumni. The media is a social network that connects people to one another. Our research is aimed at the alumni of Private University in Jakarta. Even though nowadays there are many social media, not all alumni use usernames according to their real names, not even all alumni use these social media, this of course makes it difficult for alumni to communicate again with other alumni. With the website-based application, namely the Ruang Alumni, it will make it easier for Alumni to connect with each other, and can help the campus to complete alumni data even though not all of them are complete because it is only based on other Alumni who have registered in the application. This application was developed using the Waterfall method. With this Ruang Alumni website-based application, Alumni can connect with each other by sharing data and information in this application, such as posting personal photos, posting job vacancies and posting lots of information in this application, alumni can also update personal data like on other social media. Alumni can also find information on campus such as events or competitions held by faculties, study programs, or student organizations at University.

Keywords – Ruang Alumni, Social Media, Waterfall.

I. INTRODUCTION

An educational institution will not be separated from the figure of alumni [1]. Every year an educational institution always releases new alumni. The alumni will usually be separated by distance because they have

to work and continue to a higher school level so that a media is needed to interact with other alumni and this media can also be used by alumni in assisting the campus in collecting data on other alumni. Social Media is the right tool because it is a social structure consisting of individual or organizational elements.

With the existence of this social network, namely the Ruang Alumni, it can help alumni to connect with each other and assist the campus in completing alumni data based on alumni who register in the application [2].

So that alumni can reconnect with each other sometimes is not an easy thing. To get alumni information, it is done by looking for it in several social networks, the problem is that not all alumni use usernames according to their real names, not even all alumni use the targeted social networks. This of course makes it difficult for alumni to be able to contact their former classmates who have been separated, usually alumni who after graduation immediately go out of town to continue to the next college or work.

Based on the existing problems, it is necessary to have a social network information system for University alumni that allows alumni to be connected to each other by sharing data and information [3][4]. Through this alumni information system, it is expected that users (alumni) can access, manage their data like social networks in general.

II. RESEARCH METHODOLOGY

1. Data Collection Method

The collection of references and data in this study was carried out in several ways. Interviews were conducted by asking questions to related parties to obtain the data needed in making the Ruang Alumni. Interviews were conducted directly with Private University Career Center to obtain more accurate data by conducting questions and answers with IT Private University about the problems that occurred, especially regarding Private University alumni in Jakarta.

2. System Development

The methodology used in developing this software is Waterfall. The following are the stages [5]:

1. Planning

The initial study was carried out by looking at the system that has been running so far and interview several user to get related data.

2. Analysis

At the analysis stage, the activity of determining the software and hardware requirements to support the system.

3. Design

At Design stage, it is determined who will develop the system, besides translating the requirements for a software design that can be estimated before the coding process is made by the developer.

4. Implementation

At the implementation stage, information system testing is carried out, and the results must be in accordance with the needs that have been previously defined.

5. System

At this stage, the implementation and maintenance of the information system is carried out.

III. RESULTS AND DISCUSSION

1. Design

Perform current system analysis and design UML, database, interface, input, and output. Analysis of the current system, is a description of the system that is currently running in the Ruang Alumni, the author will discuss how the business process for applying for jobs in the Ruang Alumni. Business Process Analysis, Figure 3 is an explanation of the ongoing business process analysis according to activities in the Ruang Alumni.

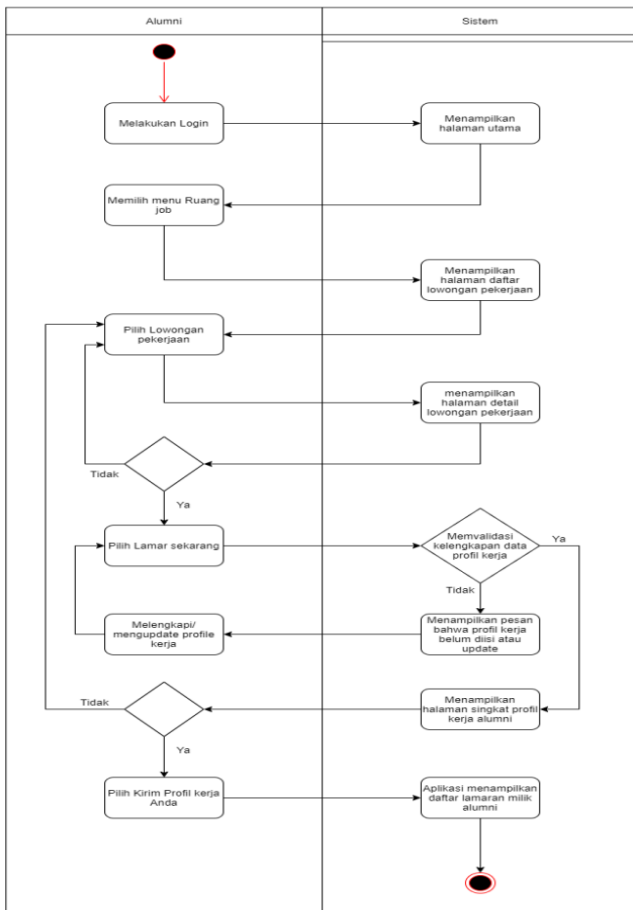


Fig. 1. Activity Diagram of Apply for job

In the report there will be detailed data on applicants who have been given by the Ruang Alumni to the company.

The use case diagram of the proposed system can be seen in Figure 5. There are three roles in this use case, namely alumni, company and admin.

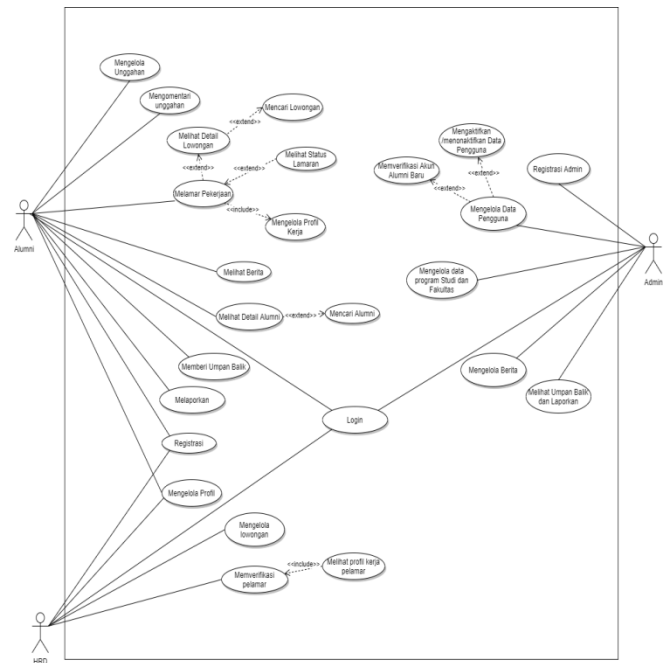


Fig. 2. Use Case Diagram

To apply for a job in the Ruang Alumni, first the alumni have registered and logged on the Ruang Alumni website, then on the job room menu there is an option to apply to the company. Then choose which jobdesk is in accordance with the field of work that will be addressed by the alumni.

From this step, alumni will be directed to the system to fill out work profiles so that alumni can apply for jobs on the job page, the data to be filled in in the form of name, email, phone number, address, date of birth, work experience, education and certificates. When you have filled in the data, the admin will verify the data entered by the alumni. If the data is correct then the verification is successful and if it is not correct the verification fails.

And then the work profile that has been input by the alumni will be given a report to each company that has opened a job application on the Ruang Alumni website.

Class diagram of the proposed system can be seen in Figure 3.

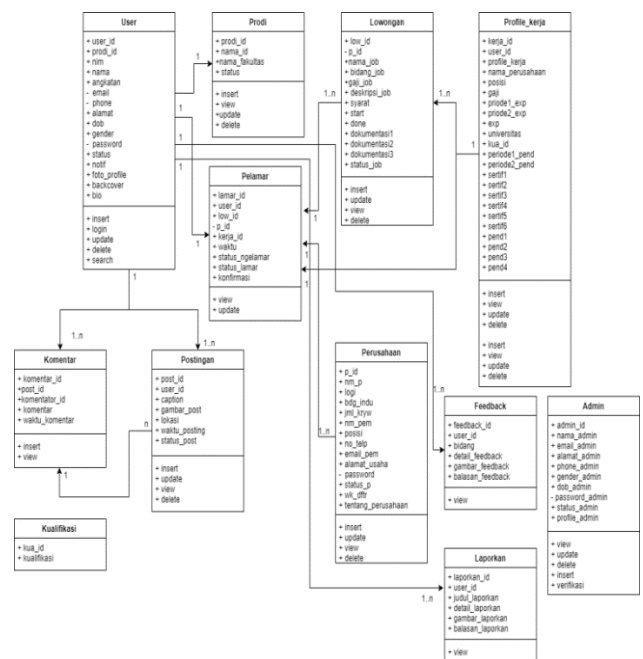


Fig. 3. Class Diagram of Ruang Alumni

2. User Interface Implementation

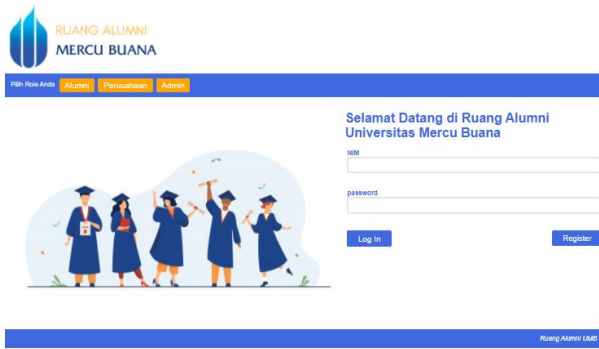


Fig. 4. Home Page

Home Page, which is the first page that appears when alumni will register or can login if they already have an account, then the first display will be like Figure 4, at the top there is a choice of roles that can be used to login. Starting from alumni, companies, and admins.

When alumni want to log in, the thing to do is fill in their number and password. After filling in the column, a page like Figure 5 will appear below.

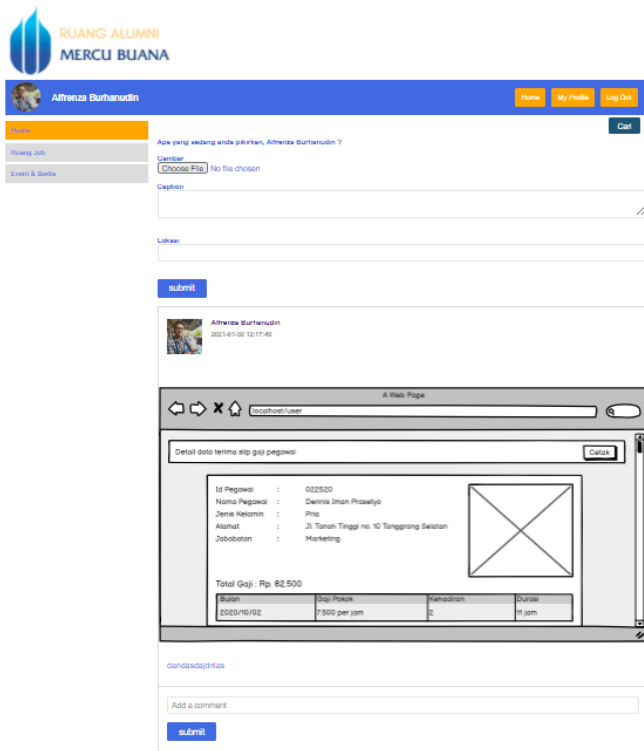


Fig. 5. Main page of Ruang Alumni

After successfully logging in, alumni can view, post, comment on what is on the main page. Then by clicking on the job space, a job selection form will be displayed that will be given by the alumni by the company, as shown in Figure 6 below.

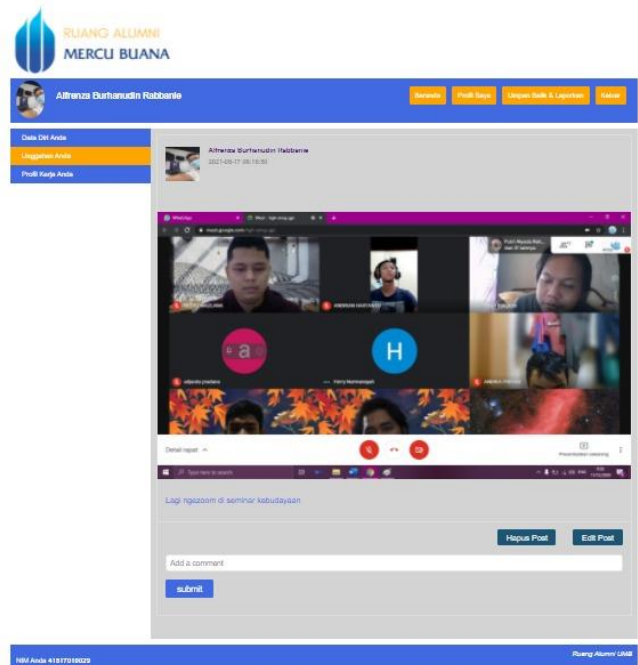


Fig. 6. Uploads

In the upload menu, alumni can upload posts in the form of photos and captions, where all users can view and add comments and then post them in the comments column.

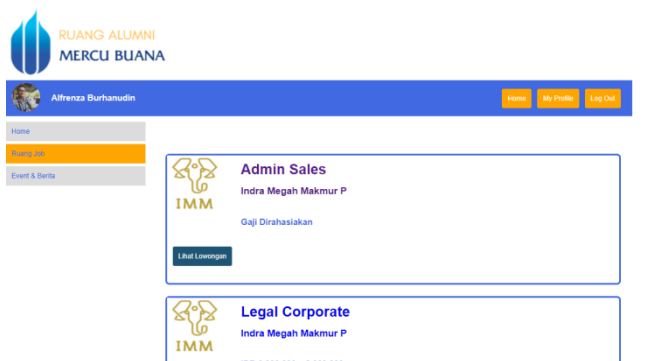


Fig. 7. Form Ruang Job

In the job space itself, alumni can look for work in the chosen field or company and alumni can send their completed CV and post it in the View Jobs column.

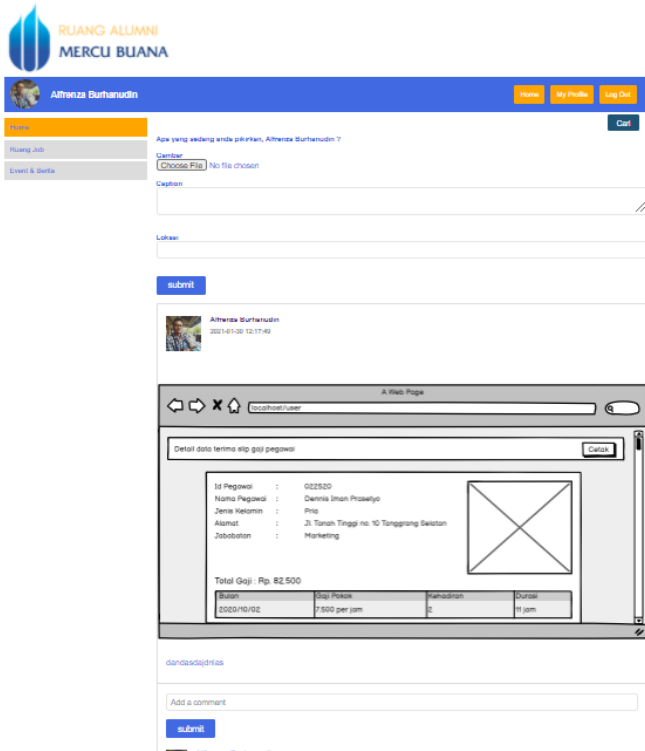


Fig. 8. Vacancy List

This vacancy list page the company will add a list of jobs that are needed within the company itself, here the company can add vacancies, edit, and delete, based on the needs of the company itself.

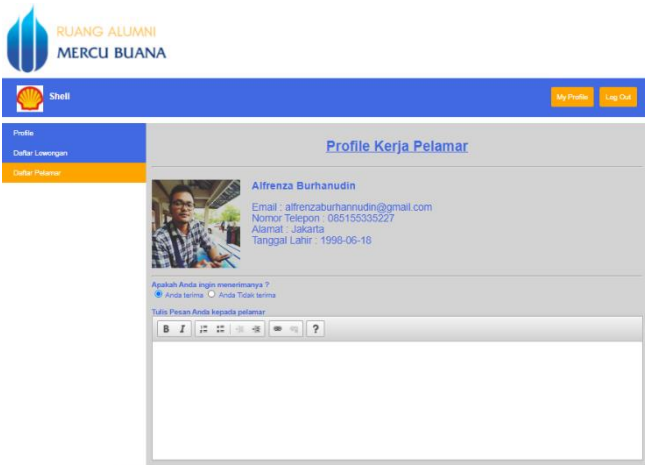


Fig. 11. Applicant Data Details

From the job application process carried out by alumni, it will be recorded and can be displayed on the list of applicants, where here the company will see the data of applicants who have sent as applicants. Then the company looks again at the list that has applied according to the required criteria.

IV. CONCLUSION

Based on the results of this study, researchers can conclude that the Ruang Alumni system with this Ruang Alumni application can contain the job registration process to the application process. This website also makes it easier for University alumni at one of the Private University in Jakarta to be able to share information with each other by uploading pictures and descriptions and being able to comment on uploads containing activities or information.

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