INTRODUCTION

In today's modern era, many people have switched to looking for freelance work. One of the interesting things is freelance work because there is no work attachment to employee status, so that the person can have several jobs at one time. But until now, to find freelance work is not easy because usually many job search applications provide services only for permanent workers. For companies that are looking for freelance labor is also not easy, because freelance job search provider services are also not much. The purpose of designing this Lancer application is to make it easier for people who want to find freelance jobs. This website is designed using UML (Unified MarkUp Language). The method used in building this website uses SDLC (Software Development Life Cycle) which includes the stages of analysis, design, creation, and testing. This website is created using Laravel and MySQL frameworks.

RESEARCH METHODOLOGY

This research, using the System Development Life Cycle (SDLC) method, and several stages are:

1. Planning stage, at this stage planning is carried out regarding the creation of freelance websites including the needs of personal data of freelancers and companies on the website and determining the features to be created.
2. In the analysis stage, the author analyzes problems in services and collects information related to existing services and the author plans to make applications to provide solutions to current service problems.
3. Design Stages, In the design stage, the author makes applications using the UML or Unified Modelling Language method. For the creation of design views using the laravel framework.
Database creation using MySQL.

4. In the implementation stage, the author uses live server software to display web pages and localhost phpmyadmin to display databases.

5. In this stage, the author conducts trials consisting of trials on web browsers and blackbox testing

RESULT AND DISCUSSION
Lancer Website Design Stage

The process flow of this website will be explained using the uml diagram, through the freelancer use case diagram, recruiter use case diagram and activity diagram. In the use case diagram, freelancers can view the start page, view the Service page, view the listing page. On the Login page, freelancers can see recruiters who have entered companies that are looking for freelance workers, and freelancers can choose companies that match freelancers’ expertise. For Use case diagrams, recruiters can enter job vacancies according to the needs of the Company.

![Use Case Diagram Freelancer](image1.png)

![Use Case Diagram Recruiter](image2.png)

**Figure 1. Use Case Diagram Freelancer**  
**Figure 2. Use Case Diagram Recruiter**

In this Activity diagram, freelancers can perform several activities such as logging into the application to manage the services provided, managing orders from recruiters, and sending requests to other freelancers.

![Freelancer Activity Diagram Looking for Work](image3.png)

**Figure 3. Freelancer Activity Diagram Looking for Work**
Here is the relationship of the class diagram on the lancer website between freelancers, orders and services.

Figure 4. Class Diagram Freelancer

This lancer website has 10 tables, namely user table, user detail table, user experience table, service table, user advantage table, tagline table, service advantage table, service thumbnail table, order status table. The figure below is a relationship between existing tables.

Figure 5. Relationship Between Tables Lancer Website
Display Design

In designing a lancer website page there are 2 website pages on this website, namely the page for freelancers and the page for recruiters

1. Home Display Design

   The design of the home page consists of several menus such as the Lancer web application logo text, Home, Find Services, Login, and Register. Then there are also text highlights about the Lancer web accompanied by images. Then there are several services displayed in the home section.

   ![Home Display Design](image1)

2. Find Services Display Design

   The design of the Find Services page is divided into several menus such as the same navigation section as before and a menu section that displays all existing services.

   ![Find Services Display Design](image2)

3. About View Design

   The design of the About page display is a section that displays an overview of the lancer website.

   ![About View Design](image3)

4. Register Display Design

   The register display design for users consists of a Sign up title and several inputs that need to be filled in, including Full Name, Email, Password, and Confirm Password. Then there is a Sign Up button.

   ![Register Display Design](image4)
5. **Login Display Design**

The login display design for users has elements similar to the register page. The login page only requires two inputs, namely for email and password. Then there is the Login button.

![Login Display Design](image)

Figure 9. Register Display Design

![Login Display Design](image)

Figure 10. Login Display Design

6. **Recruiter Dashboard Display Design**

The dashboard display design for recruiters consists of dashboard menus, requests and edit profiles, for content there is a title for the Recruiter Dashboard, then there is text for the number of requests on progress and text for requests completed, after that there is a table of latest requests.

![Recruiter Dashboard Display Design](image)

Figure 11. Recruiter Dashboard Display Design

7. **Request Display Design**

The design of the request page for recruiters consists of the title My Request, then there is a +Find Services button, and there is a table of my Requests.

![Request Display Design](image)

Figure 12. Design Display Requests
8. Freelancer Dashboard Display Design

The dashboard display design for freelancers consists of dashboard menus, services, client orders and edit profiles, for content there is a title for the Freelancer Dashboard, then there is text for the number of services on progress, the number of services completed and text for total clients, after that there is a table of Recent Clients.

![Dashboard Design](image)

**Figure 13. Freelancer Dashboard Display Design**

9. Design Services View

The design of the service page for freelancers consists of the title My Services, then there is a +Add Service button, and there is a My Services table.

![Services Design](image)

**Figure 14. Design Services View**

10. Add Service Display Design

The design of the Add Service page display for freelancer users has the title Add Your Service, then there are several inputs such as title, description, service performance, service estimate, price, thumbnail, note, and tagline. And end with the Create Service button.

![Add Service Design](image)

**Figure 15. Add Service Display Design**

11. Client Orders Display Design

The design of the Client Order page for freelancers consists of the title Client Orders, then there is a client orders table.
12. Display Design Edit Profile

The design of the Edit Profile page display for users consists of the title Edit My Profile, then there is a Choose File button to change the profile photo, after that there are several inputs such as Full name, Occupation, Email Address, Contact Number, Biography, and Experience.

Implementation

1. Home Page Output Display

On the Home page, users can see the start page displayed when users want to visit Lancer’s website. Here is what the home page looks like.

2. Find Services Page Output Display

On the Find Services page, users can see a list of existing services from various freelancers. Below is what the page looks like
3. About Page Output Display

On this About page, there is information about the Lancer website that users can know. Below is a look at the page.

![Figure 20. About Page Output Display](image)

4. Login Output Display

Login Display is where users can fill in their email and password to then enter the dashboard page. Below is a look at the page.

![Figure 21. Login Output Display](image)

5. Display Output Register

The Register view is where the user creates an account and will be verified, then the user can enter the dashboard. Below is a look at the page.

![Figure 22. Display Output Register](image)

6. Output Display of Recruiter Dashboard Page

The Recruiter Dashboard page will be displayed to users after successfully logging in. On this page, recruiters can see the number of requests on progress, requests completed, and latest requests. Here's what the page looks like.
7. Requests Page Output Display

The Request page is a page where recruiters can see a list of freelancers who have been hired. Below is a look at the page.

Figure 24. TDisplay Output Page Requests

8. Output Display of Freelancer Dashboard Page

The Freelancer Dashboard page will be found by the user after successfully logging in and then clicking the freelancer dashboard button. On this page, freelancers can see the number of services on progress, services completed, clients total, and latest clients. Here’s what the page looks like.

Figure 25. Output Display of Freelancer Dashboard Page

9. Services Page Output View

The service page is a place where a freelancer can see a list of services they have created before. Below is a look at the page.
10. Add Service Page Output Display

The Add Service page will be accessed by a freelancer when they want to add a new service. Below is a look at the page.

![Add Service Page Output Display](image)

11. Client Orders Page Output Display

The client orders page is a page where a freelancer can see a list of clients who have requested the creation of services offered. Below is a look at the page.

![Client Orders Page Output Display](image)

12. Output Display of Edit Profile Page

The Edit Profile page will be encountered by users when they want to update or edit their profile information. Below is a look at the page.

![Output Display of Edit Profile Page](image)
Trial
Freelance application trials are carried out to test and verify all application functions, as well as ensure whether the application runs properly or not. The test method used is **black box testing**.

<table>
<thead>
<tr>
<th>No.</th>
<th>Browser Type</th>
<th>Version</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Google Chrome</td>
<td>115.0.5790.171</td>
<td>The application runs successfully and is well connected to the database. (Successed)</td>
</tr>
<tr>
<td>2</td>
<td>Microsoft Edge</td>
<td>115.0.1901.200</td>
<td>The application runs successfully and is well connected to the database. (Successed)</td>
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<td>3</td>
<td>Mozilla Firefox</td>
<td>116.0.2</td>
<td>The application runs successfully and is well connected to the database. (Successed)</td>
</tr>
</tbody>
</table>

CONCLUSION
The lancer website has been successfully created and implemented using the laravel framework and mysql. This website provides information on job vacancies for freelance workers, making it easier for freelancers and recruiters or companies who will look for work and find workers. On this website there is also a portfolio update for freelancers who have added to their experience. From the test results that have been carried out using three browsers, it can be concluded that all features can run well as expected.

REFERENCES

