UNIVERSITI KEBANGSAAN MALAYSIA
National University of Malaysia

FAKULTI TEKNOLOGI DAN SAINS MAKLUMAT

BORANG PENYERAHAN LAPORAN ILMIAH

SEM 2 __SESI__ 2021/ 2022__

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Tajuk Projek *(Project Title)*:
ONLINE EMPLOYEE MANAGEMENT SYSTEM

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Bahagian B: Perakuan Penyelia
Part B: Supervisor's Approval

Saya peraku laporan ini telah disemak dan dibaiki, dan **menyokong / tidak menyokong*** penyerahan laporan ilmiah ini.
*I certify that this report has been reviewed and amended, and **approved / rejected*** the report submission.*

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ONLINE EMPLOYEE MANAGEMENT SYSTEM

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ABSTRACT

This report includes a development presentation of an information system for manage the staff data and situations within a small company or organization. The system has been developed is called Employee Management System,It consists of all the functions related GUI

and database,the choose of the programming tools is sublime text3, user need to register and log in to the system to use all functions of this system.and language is base on PHP,use the Laravel framework.Some data collected from real network company in china mainland.The user interface of the system is easy for employees to understand and allows staffs to edit and modify information by themselves before submit.

Keywords Information manage system ,parent table, child table, table fields, primary key, foreign key, relationship, sql queries, objects, classes, controls ,php, Laravel, node.js

1. INTRODUCTION

Nowadays, after an enterprise has grown to a certain scale, it will encounter more and more manual management problems, such as attendance problems in various departments and difference of employee salary, which often make the

enterprise weak for a long time and gradually accumulate employee. At present, most small and medium-sized enterprises have realized the importance of employee management. Facts have also proved that focusing on the harmony and coordination of interpersonal relationships between co-workers, and turning passive and mandatory management into active and active training management has improved labor efficiency and management. It's more convenient. It also indirectly promotes the steady development of enterprises.

The management system is researched for the problem of enterprise employee management, and it can do a good job of human resource management in a comprehensive and effective way.

2 PROBLEM STATEMENT

Manager deal with the employee message cause huge challenges, there are some evidence show that already ,for instance, employee leave management; they may be required to fill in a form that will spend a long time to be approved. If all the things using paper work to do can easily make mistake even be stolen by others. It's a waste of time. Current systems

lack employee self-service meaning employees are not able to access and manage their personal information directly.in other hands, if the member if staffs booming, manager cannot find one of the staff information at short time .

3 OBJECTIVE

The objective of this research is to develop an employee management system based on the company's employee needs. The system has established time and attendance

management functions. In addition, the system also has employee absent and leave management functions. Not only that, the system has also built a database to protect all employee information.

The most beneficial to all employees is the employee self-service function, which allows employees to handle most of the affairs independently without relying on the administrator for everything, such as updating personal information addresses, etc., which saves the administrator time and saves Employees' own time has truly achieved automation and networking

4 STUDY METHOD

The project is based on the 4.0 system design process and the 4.0 system design process involves a relatively comprehensive system design processes. The key includes the set the objectives and constraints, design drivers, operational objectives, and criteria for defining mission success.
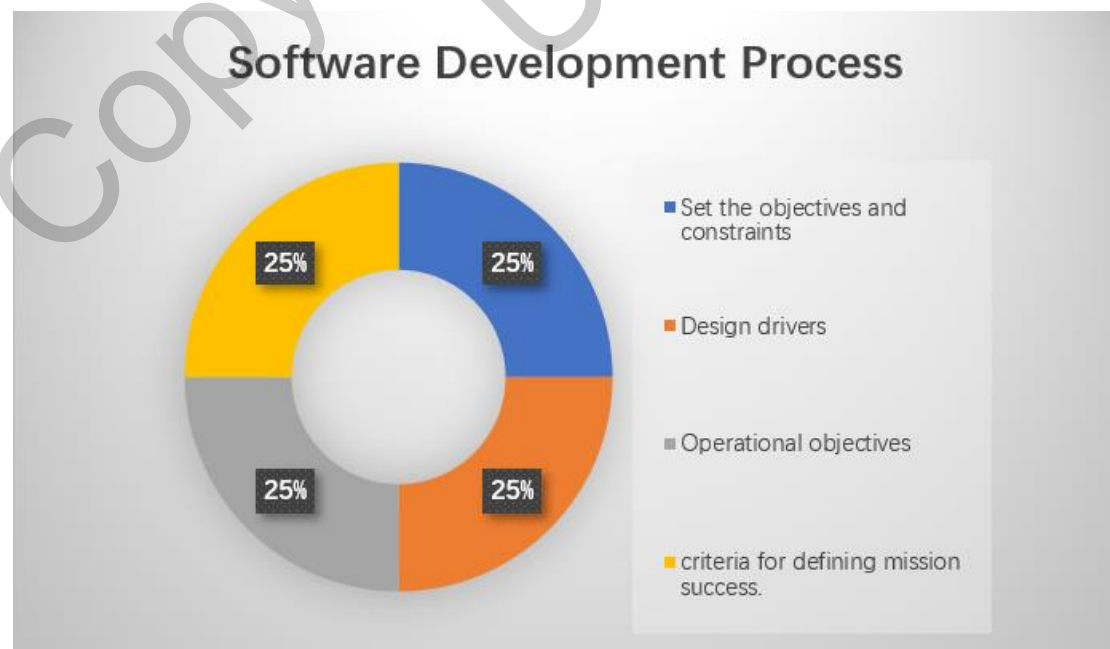
The figure above illustrates the recursive relationship among the four system design processes. This set of stakeholder expectations and high-level requirements is used to drive an iterative design loop where a straw man architecture/design, the concept of operations, and derived requirements are developed. These three products should be consistent with each other and will require iterations and design decisions to achieve this consistency. Once consistency is achieved, analyses allow we to validate the proposed design against the stakeholder expectations.

5 STUDY RESULT

This chapter describes the development phase of the system, which involves implementation methods
and equipment. The purpose of this chapter is to implement the design specification
The previous application shows the method used to apply
Develop system functions. This chapter only deals with programming constructs,
Generate system components and system interfaces.
Appropriate technology can ensure that web applications are fully functional and compliant
Predefined quality standards.

i Account Register and login

```
<script>
    var btn = document.querySelector('button[type="submit"]');
    var form = document.forms[0];
    var email = document.querySelector('[name="email"]');
    var password = document.querySelector('[name="password"]');
    btn.addEventListener('click', function(ev){
        if (form.checkValidity()) {
            btn.querySelector('.signingin').className = 'signingin';
            btn.querySelector('.signin').className = 'signin hidden';
        } else {
            ev.preventDefault();
        }
    });
    email.focus();
    document.getElementById('emailGroup').classList.add("focused");

    // Focus events for email and password fields
    email.addEventListener('focusin', function(e){
        document.getElementById('emailGroup').classList.add("focused");
    });
    email.addEventListener('focusout', function(e){
        document.getElementById('emailGroup').classList.remove("focused");
    });

    password.addEventListener('focusin', function(e){
        document.getElementById('passwordGroup').classList.add("focused");
    });
    password.addEventListener('focusout', function(e){
        document.getElementById('passwordGroup').classList.remove("focused");
    });
</script>
```

Pic3:Login system

Account registration and login system,Role-based access control for account registration and login sections (implemented to isolate access rights Based on roles composed of employees and managers. Referring to Figure 3, user registration requires the user to fill in a valid email and password. After the user is successfully registered, the system will check whether the user information is correct or not and determine his role after logging in. Login to the account to ensure the user is redirected to the page Dashboard respectively. If the user account information is not found, the system will display the account or password mismatch to the user

ii Edit User Profile
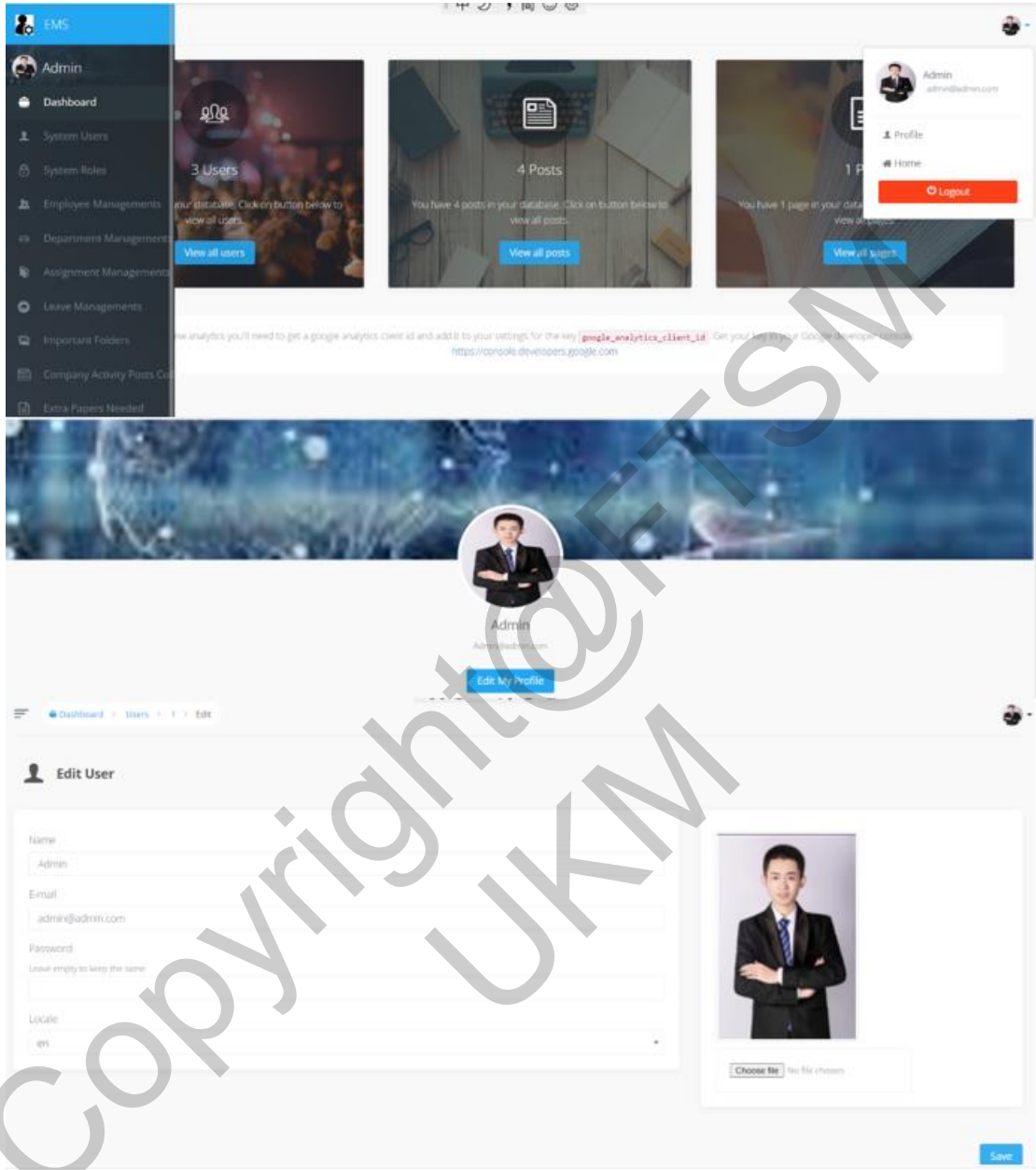
Pic4:Profile editing system interface

```
<div class="panel-body">
    <div class="form-group">
        <label for="name">{{ __('voyager::generic.name') }}</label>
        <input type="text" class="form-control" id="name" name="name"
        placeholder="{{ __('voyager::generic.name') }}"
                value="{{ old('name', $dataTypeContent->name ?? '') }}">
    </div>

    <div class="form-group">
        <label for="email">{{ __('voyager::generic.email') }}</label>
        <input type="email" class="form-control" id="email" name="email"
        placeholder="{{ __('voyager::generic.email') }}"
                value="{{ old('email', $dataTypeContent->email ?? '') }}">
    </div>

    <div class="form-group">
        <label for="password">{{ __('voyager::generic.password') }}</label>
        @if(isset($dataTypeContent->password))
            <br>
            <small>{{ __('voyager::profile.password_hint') }}</small>
        @endif
        <input type="password" class="form-control" id="password" name="
        password" value="" autocomplete="new-password">
    </div>
<div class="panel-body">
    <div class="form-group">
        @if(isset($dataTypeContent->avatar))
            <img src="{{ filter_var($dataTypeContent->avatar,
            FILTER_VALIDATE_URL) ? $dataTypeContent->avatar :
            Voyager::image( $dataTypeContent->avatar ) }}" style="width:200
                px; height:auto; clear:both; display:block; padding:2px;
                border:1px solid #ddd; margin-bottom:10px;" />
        @endif
        <input type="file" data-name="avatar" name="avatar">
    </div>
</div>
```

Pic5:Profile editing system partly code

After the administrator user creates an account, edit and change the information here. Once the administrator account is created, it cannot be deleted at will, otherwise the user may not be able to enter the system again, as shown in Figure 5. Admin users need to edit names, email addresses, personal photos so on.

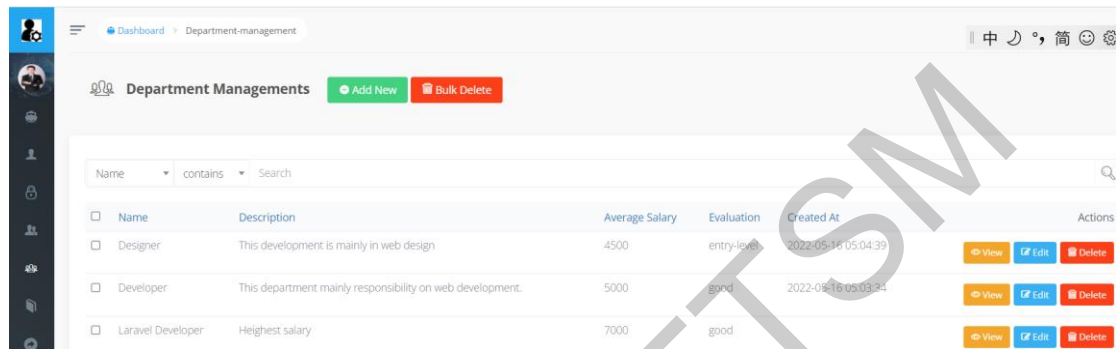## iii EMPLOYEE MANAGEMENT FUNCTION
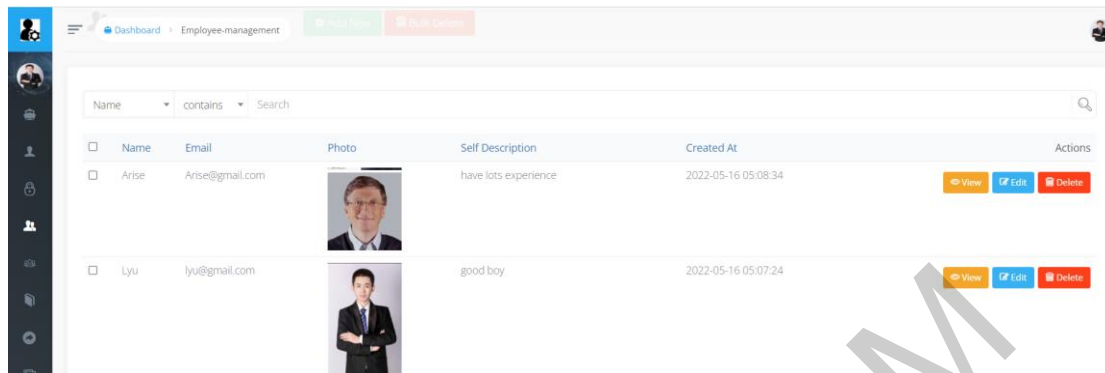
Pic6:Employee management page

Pic7:Employee management function code

The employee management function can be implemented on the employee side and the administrator side. If you want to become a company employee, you must fill in the relevant information through the employee side. Once the employee is created, it cannot be changed. The administrator must log in to his account to access this function, and

can browse and delete employee information, as shown in Figure 7. Each item in Figure 6 must be filled in, otherwise the information will be incompletely entered.

iv DEPARTMENT MANAGEMENT FUNCTION

Pic6:Department management page

Pic7:Department management function code

The department management function can be implemented on the administrator side. The administrator can preview, edit, and delete department information, while the employee application department must fill in the form information on the employee side to create a new department application and save the data. In the database, the

administrator can browse to when a new row is created, as shown in Figure 7. The application includes department name, department description, average salary, etc. that employees need to fill out.

v ASSIGNMENT MANAGEMENT FUNCTION
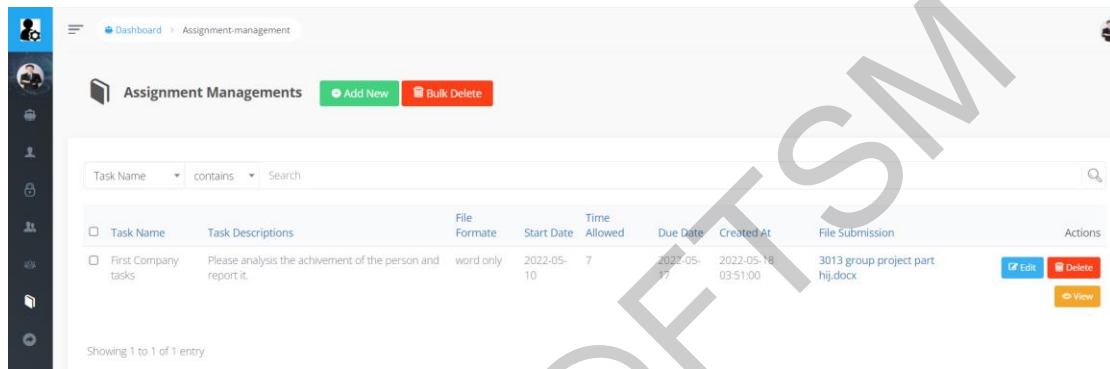
Pic8:Assignment management page


```php
<form method="get" class="form-search">
                                    <div id="search-input">
                                        <div class="col-2">
                                            <select id="search_key" name="key">
<option value="task_name" >Task Name</option>
<option value="task_descriptions" >Task Descriptions</option>
<option value="file_formate" >File Formate</option>
<option value="start_date" >Start Date</option>
<option value="time_allowed" >Time Allowed</option>
<option value="due_date" >Due Date</option>
<option value="created_at" >Created At</option>
<option value="file_submission" >File Submission</option>
    </select>
        </div>
<div class="col-2">
<select id="filter" name="filter">
        <option value="contains" >contains</option>
        <option value="equals" >=</option>
    </select>
</div>
<div class="input-group col-md-12">
    <input type="text" class="form-control" placeholder="Search" name="s" value="">
    <span class="input-group-btn">
        <button class="btn btn-info btn-lg" type="submit">
                                    <i class="voyager-search"></i>
        </button>
    </span>
</div>
</div>
                        </form>
```

Pic9:Assignment management function code

The Assignment management function can be implemented on the administrator side. The administrator has the authority to view the submission status of tasks and add and delete tasks. The employee side only provides the function of submitting files and filling in the corresponding information. The corresponding functions are shown in Figure 9.All the things can update to database .

vi LEAVE MANAGEMENT FUNCTION

Pic10:Leave management page

Pic11:Leave management function code

The Leave management function can be operated on the administrator side. The administrator can view, edit and delete the employee's vacation application, and the employee can fill in the relevant information to apply for the vacation code as shown in Figure 11,employee are required to fill all the thing so that can make the apply, and data can be Commected in database.

vii OTHER FUNCTIONS
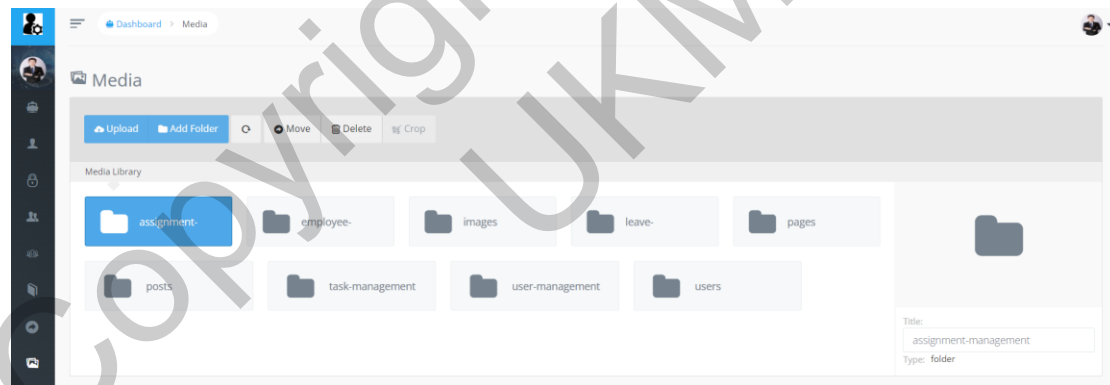
Pic12:Folder collationer
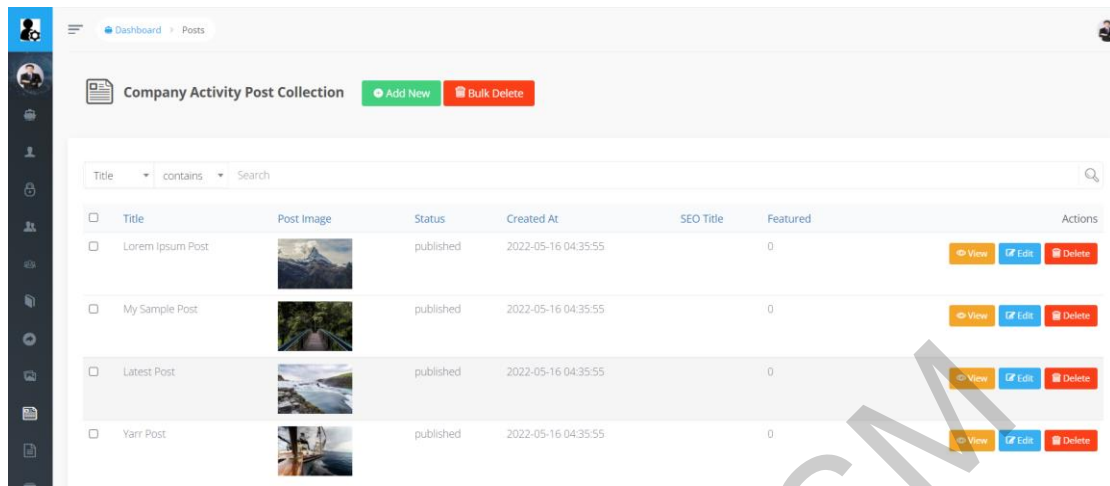
Pic13:Activity post collationer

6 Conclusion

To sum up, the employee management system can help administrators manage employee information in a more detailed and simple manner. The system has a user-friendly interface. Any up-to-date personnel, task and leave changes and important documents can effectively keep administrators and employees informed through this platform.

The development of the Internet has led many people to make improvements to the employee management system, which is well worth the time saved by this system for more administrators and employees. With this, the management process can evolve into the management of data, whether online or offline, the management system plays an important and unique role.

REFRENCE

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