DEPARTMENT OF INFORMATION TECHNOLOGY AND COMMUNICATION

DIPLOMA IN INFORMATION TECHNOLOGY (DIGITAL TECHNOLOGY)

ONLINE HUMAN RESOURCE MANAGEMENT SYSTEM

GROUP MEMBERS:

ABHINYAASRI A/P SUBRAMANIAM	10DDT20F2066
TERESA A/P CYRIL	10DDT20F2068
KITANJALI A/P KALAI SALEVIAM	10DDT20F2072

SUPERVISOR:

ENCIK MOHD ASYRAF BIN MOHD ARSHAD

SESSION: 1 2022/2023

DECLARATION

We hereby declare that the technical report entitled "Human Resource Management System" website is based on original work under supervision and guidance of Encik Mohd Asyraf Bin Mohd Arshad except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other diploma or award at Polytechnic or other institutions.

1. Signature   :
   Name   : ABHINYAASRI A/P SUBRAMANIAM
   Registration No   : 10DDT20F2066
   Date   : 19/12/2022

2. Signature   :
   Name   : TERESA A/P CYRIL
   Registration No   : 10DDT20F2068
   Date   : 19/12/2022

3. Signature   :
   Name   : KITANJALI A/P KALAI SALEVIAM
   Registration No   : 10DDT20F2072
   Date   : 19/12/2022

APPROVAL FOR SUBMISSION

Project Title : ONLINE HUMAN RESOURCE MANAGEMENT SYSTEM

Session : 2 2022/2023

Submitted by : 1. ABHINYAASRI A/P SUBRAMANIAM (10DDT20F2066)

2. TERESA A/P CYRIL (10DDT20F2068)

3. KITANJALI A/P KALAI SALEVIAM (10DDT20F2072)

"This technical report has been read, checked and approved in term of scope and quality for the award of Diploma in Information Technology (Digital Technology)."

Checked by

Supervisor's Signature   :

Supervisor's Name   : En Mohd Asyraf Bin Mohd Arshad

Date   : 19/12/2022

ABSTRACT

This Human Resource Management system carry out internal and external human resource activities, each organization has its own human resources. The most important responsibility for any HR is managing the human capital, or the employees, out of all the human resource tasks. The primary responsibility of HR is to hire, manage, and maintain employee data, which includes personal information such as their assigned positions, streams, projects, salaries, and man. More which allows them to face huge work load. There are certain electronic HR systems dubbed human resource management systems that are used to support the Organizations need to maintain HR software that has a large number of client-server applications, service providers, and control tools. However, this program is cost-effective and enables them to easily handle the data of their employees. The HRs will be able to manage employee payroll using this human resource management system. the schedules for employees' jobs, employee information systems, employee recruiting, training, retention, and performance reviews, as well as their attendance and service. This project is a type of online application that may be used on a computer or a mobile device with an internet connection. The efficient and successful management of human capital has evolved into a process that is both necessary and complex.

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CHAPTER 1.0 : PROJECT PLAN

1.1 Introduction

A complete web-based solution for organizing and optimizing daily human duties and activities is HRM system. It incorporates a multitude of systems and procedures to guarantee effective and efficient management of data, business processes, and human resources. Therefore, the management of the Royal Family Mart decided to work with us to develop their HRM system. They hired us because they were finding it difficult to manually handle their employees' payroll, attendance, and daily human resources tasks. Our solution would help this mart with all HR-related duties, including employing workers, inducting them into the company, managing personnel, processing payroll, handling benefits administration, and everything in between.

Besides, the web app has some features which will help the user to easily interact with it. This online website is a computerized, designed and programmed to deal with the employee's working information. The system is developed to make a computerized system which is user-friendly, simple, fast, and cost-effective. The maintenance of manual ways is complicated and take time compared to this online Human Resource Management System.

1.2 Problem Statement

This web-based system relates to the responsibilities of human resources. The old way of management, all the tasks will be handled by the admin manually. They do face lot of challenges from the process. From the existing way, it is time consuming for the admin and the user. To record the data manually or keystrokes is one of the difficulties faces by the admin. Moreover, the management will be able to loss their data carelessly. When there is a lot of tasks to do the admin might get stress until the data can be lost. Sometimes, their nervousness will result to a wrong information or data. This is the common challenge that faced by all the human being. The traditional way may

not be safe to use. Nowadays people have lot of purpose to getting another person's information. So, this fact will also be compactible for it. The data might be stolen as the old way is not secure enough. It is not reliable to use. The management will be having problem by wasting time on employee attendance and compensation calculations, lack of information of business process and poor management system. As the result, the newly designed online human resource management system helps the management to do the work effortless and save time.

1.3 Objective

- The objective of this project is to automate the existing manual system with using the computerized system which is more convenient to the system user and to manage personnel information, these Online Human Resource Management System (HRMS) was created. The most crucial HRMS is the one that offers systematic and precise data about the company's workforce. The Online Human Resource Management System will help us to achieve the following objectives:
  - ➢ To develop online human resource management system.
  - ➢ Monitoring monthly salary and bonuses for workers.
  - ➢ Enhancing the organization-wide effective use of manpower and the manpower plan

1.4 Scope of the Project

Online Human Resource Management System helps to manage the data in a very systematic way and well organized. The aim of the project is to make the management work easy and simple. Below shows the scope for user and system.

i. System Scope
ii. User Scope

1.4.1 System Scope

This system will assist the admin to reduce their work stress and help the user to work easily and relatively. User can also directly print the data where it is not necessary to create manifest which is time consuming. The system is much convenient to use. User can use it from anywhere at any time because will only needed any electronic to show the system such as smartphone, laptop, and computer.

1.4.2 User Scope

i.   ADMIN

The system will be used by the admin to monitor monthly sales, calculate employees and employer's profit, track the attendance and information of employee. Moreover, to track business processes by this online Human Resource Management System. In this system admin needs to input their ID and password to login each time. This way makes sure that the system is always in safe condition.

To use the system, user needs only basic knowledge to input the information. There will be error detection if there is any mistake done by admin. So, the system is very user-friendly, and user does not need much effort for thinking and using it.

1.5 Literature Review

1.5.1 Literature Review

Software programs known as human resource management systems are utilized in businesses. These systems make it possible to quickly enter and keep track of all data pertaining to human resources, such as staff-related company goals, monthly sales, employee profit calculations, employee attendance, and employee information. Additionally, to keep track of business procedures using this online HRMS.

One of the vital elements of Human Asset The executives is enrollment and choice. Fundamentally, all areas of HR there are accessible data framework to further develop productivity and the choice for chiefs is whether to use automated data framework or to adhere to additional conventional strategies.

Let us now examine the comparisons and explanations of our HRM system with those of other systems. The system's normal performance will be enhanced by this literature review for a variety of reasons.

MSMEs, or small and medium-sized businesses, continue to play a crucial role in our economy. whereas the MSME sector as a whole is expanding. In fact, there are a number of obstacles in its path. With an increase in the number of employees and the consequent requirement for more effective employee management to achieve organizational goals, the MSME sector's HR practice is experiencing phenomenal growth. In point of fact, Royal Family Mart employs a few people with excellent sector management skills.

Additionally, Small and Medium-Sized Enterprises can take advantage of Simple HRM, an open-source, cost-effective HR management system. It has many features, including employee management, leave management, and benefits, that HR departments can use with ease. Simple HRM's adaptability makes it possible for businesses to keep track of their employees without the need for a spreadsheet, pen, or paper. Our Royal Family Mart system includes SOCSO, EPF, bonus, and monthly salary updates in addition to administration, Personal Information Management, Leave Management, and Tasks (Employee Daily Reporting).

1.5.2 Table of Comparison

Table 1.5.2.1: Comparison between Human Resource Management Website

NO	CHARACTERISTICS	MSME	SIMPLE HRMS	ROYAL FAMILY MART HRMS
1	The suitable service of the website	Human Resource Management System	Human Resource Management System	Human Resource Management System
2	Online registration is available in the website	Yes	No	Yes
3	The programming language used in the website	HTML, PHP and JAVA	HTML, PHP and MySql	HTML, PHP and Xampp
4	There is search function for the users	Yes	Yes	Yes
5	The people who can use the website.	Admin only	Public	General public, employees, and admin

6	The arrangement of the website	Neat and attractive	Too dense with information	Correct amount of information
7	The language used throughout the website	English	Malay	English
8	Interactive Module	No	No	Yes

1.6 Methodology

For Online Human Resource Management system, we were using the Agile Methodology. It is a classical model used in system development life cycle to create a system with a linear and sequential approach. This methodology is up to 6 stages which are Project planning, Requirements, Analysis, Design, Implementation, Testing, and Maintenance. We use this Agile methodology because it's easy to monitor our progress. We chose this methodology because of:

- ✓ Easy and simple to understand and use
- ✓ Phases are processed and completed one at a time
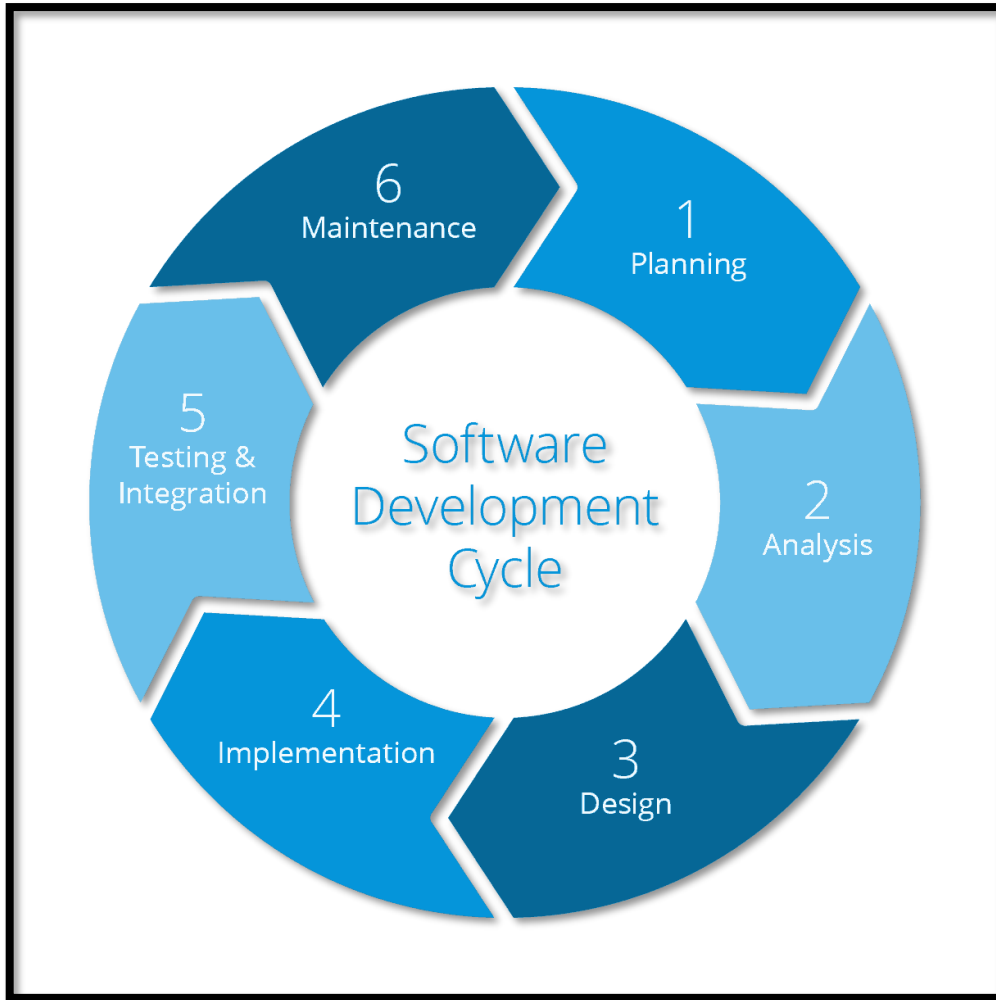- ✓ Determines the end goal earlier

Figure 1.6.1: Agile Methodology

i.   **Analysis phase**

In this phase some analysis is done on the information obtained during the planning phase. Among the analyzes carried out include aspects of the specifications, objectives, features and requirements of the system required by the users and also the financial management.

ii.   **Design Phase**

The detailed information of the system is obtained through the design sketch of the proposed system. Data structuring, system architecture and interface representation are also specified. With this, whatever is required

in the development of this system is translated into a representation to facilitate programming in the next phase.

iii. **Implementation Phase**

This phase emphasizes the task of installing the website to a work computer or server and testing using a client computer whether it can work as required. Each component and module that is ready to be developed will be implemented on the server. Maintenance work is carried out from time to time to test and ensure the ability of the system to reach the required level.

iv. **Testing Phase**

Each unit design and development in the earlier phases are incorporated from the implementation phase, which is integrated into system for various tests like load test after testing each unit. The testing environment undergoes a constant software check to determine if there is any flow or error in the design or code. Testing is done to maintain the stability and feasibility of the software so that the client does not face any disturbances or bugs during its production. In this phase, the whole system is tested thoroughly for any faults and failures after implementation.

v. **Maintenance Phase**

In this phase, updating the website, patching any bugs and errors, and developing other essential components as per feedback to make this full software is done in this stage will occur.

1.7 Gantt Chart

This Gantt Chart shows the activities that we planned for 14 weeks.

Figure 1.7.1: Gantt Chart

WEEKS PLANNING	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
1.0 Analysis 1.1 Prepare project plan and project design	■	■	■											
Proposal Presentation			▨											
2.0 Design 2.1 Sketch the design 2.2 Build the function				■	■									
Demo 1 Presentation						▨								
3.0 Implementation 3.1 Design prototype 3.2 Suggestion from teacher 3.3 Improvement prototype						■	■	■	■					
Demo 2 Presentation										▨				
4.0 Testing 4.1 Changeover to the new system 4.2 Develop final system 4.3 User training										■	■	■		
Demo 3 Presentation													▨	
5.0 Maintenance 5.1 Feature Complete													■	■
1. Log Book 2. Technical report														▨

CHAPTER 2.0 REQUIREMENT SPECIFICATION

2.1 Functional Requirement

2.1.1 User Requirement

i.   All users shall be able to log in into the website.

ii.   All users shall be able to use all functions and features based on their positions.

iii.   Only admin shall be able to register an account for a new user. iv. Super admin shall be able to verify admin and employees.

v.   Admin shall be able to update data.

vi.   Admin shall be able to add new employee into the website.

vii.   All users shall be able to view homepage, about page and dashboard of the website.

2.1.2 System Requirement

i. The website must allow users to log into their account by entering their user username and password.

ii. The website shall be used for all users to view homepage, about page and dashboard page.

2.2 Non-Functional Requirement

2.2.1 Performance Requirement

i.   The website's load time should not be more than 1 second for users.

ii.   Maintenance time and recovery occur quickly if they are needed in by the system.

iii.   Having a quick recovery time in case something goes wrong.

2.2.2 Security Requirement

i.   Session data will be cleared out after the user logs out from system.

ii.   Only the users with the position "admin" can manage the approval system.

2.2.3 Availability Requirement

i.   The website shall be available for use 24 hours per day, 365 days per year for all users.

ii.   Admin can access and print new employee information 98% of the time without failure.

2.2.4 Quality Requirement

i.   Maintain a user-friendly environment that is visually appealing.

ii.   Font choice and size must be perfectly readable on all screen size.

iii.   User interface is able to adjust according to the current screen size.

2.2.5 Usability Requirement

i.   The website's interface must be user-friendly and easy to use.

ii.   The website's design and color must be simple to understand the content.

2.3 Hardware and Software Requirement

This is the list of the hardware and software components that we used in our project.

2.3.1 Hardware Requirement (Computer)

Table 2.3.1.1: Hardware Requirement (Computer)

Computer		
Specification	**Description**	**Cost**
Model	● Lenovo (DESKTOP-N5EVTCM) ● Dell DESKTOP-I368O0E	● RM1300 ● RM2000
Processor	● Intel(R) Pentium(R) CPU N3540 @ 2.16GHz 2.16 GHz ● Intel(R) Core(TM) i5-4310U CPU @ 2.00GHz 2.60 GHz	
RAM	● 8.00 GB ● 16.0 GB	
Operating System	● Windows 10 Home Single Language	
Total Price		**RM3300**

2.3.2 Software Requirement

Table 2.3.2.1: Software Requirement

Software	Description
Subline	An editor / integrated development environment (IDE) to write code in programming language such as PHP, HyperText Markup Language (HTML), Cascading Style Sheets (CSS), JavaScript (JS) to build the system.
Microsoft Word	To create and edit all documentations relating to the project.
XAMPP	XAMPP is a free and open-source cross platform web server solution stack package that was formerly used to create and manage the database required for the system.

2.4 System Configuration

System configuration encompasses every element which composes the end system. This may include all physical devices, such as computers, and non-physical elements.

Online Human Resource Management System is a web-based system that does not utilize Internet of Things (IoT) and any other form of physical device integration, therefore there are no physical components that are integrated to the computers and server that are used to store and run the system.

As for non-physical elements, XAMPP was formerly used to run database. This database has been used to store all required data for the system to fully function with the data such as user of the system data, user login data and salary.

2.5 Security Requirement / Exceptional Handling

In order to create a secure and robust system, some security requirements had to be specified and implemented during the development phase of the website and some of the security requirements must always undergo routine maintenance based on preventive maintenance and corrective maintenance to make sure the system is always secured and protected.

2.5.1 Registration of New User

- ✓ User must be the sole user that can register / add new user to the system
- ✓ Username must be correct.
- ✓ Password for every new user created by user must be unique based on user own creative and initiative.
- ✓ Password and confirm password when user registering / adding new user must be matching in-order-that an account for new user is able to be created.
- ✓ User must register every user to the system based on their position and qualification.
- ✓ Every user must have only one account.

2.5.2 Login into the System

- ✓ Login credentials (Username and Password) must be correct.
- ✓ Password of every user could only be reset by user if a user were to forget their password.
- ✓ Every user must be logged in and redirected to the system's specific interface based on their position.

2.5.3 Insert Data into the System

- Inserting new employee data can only be done by admin.
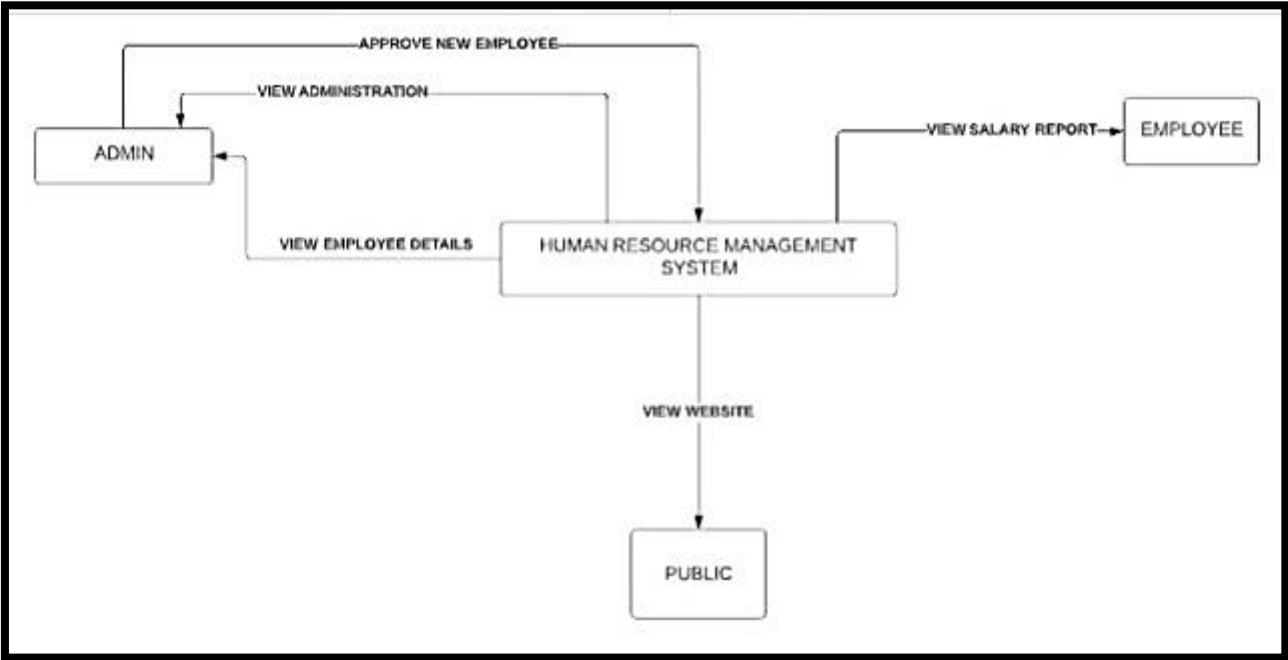
2.5.4 Verifying of the Data

- Verifying of data such as new user id inserted by every user can only be approved by admin only.
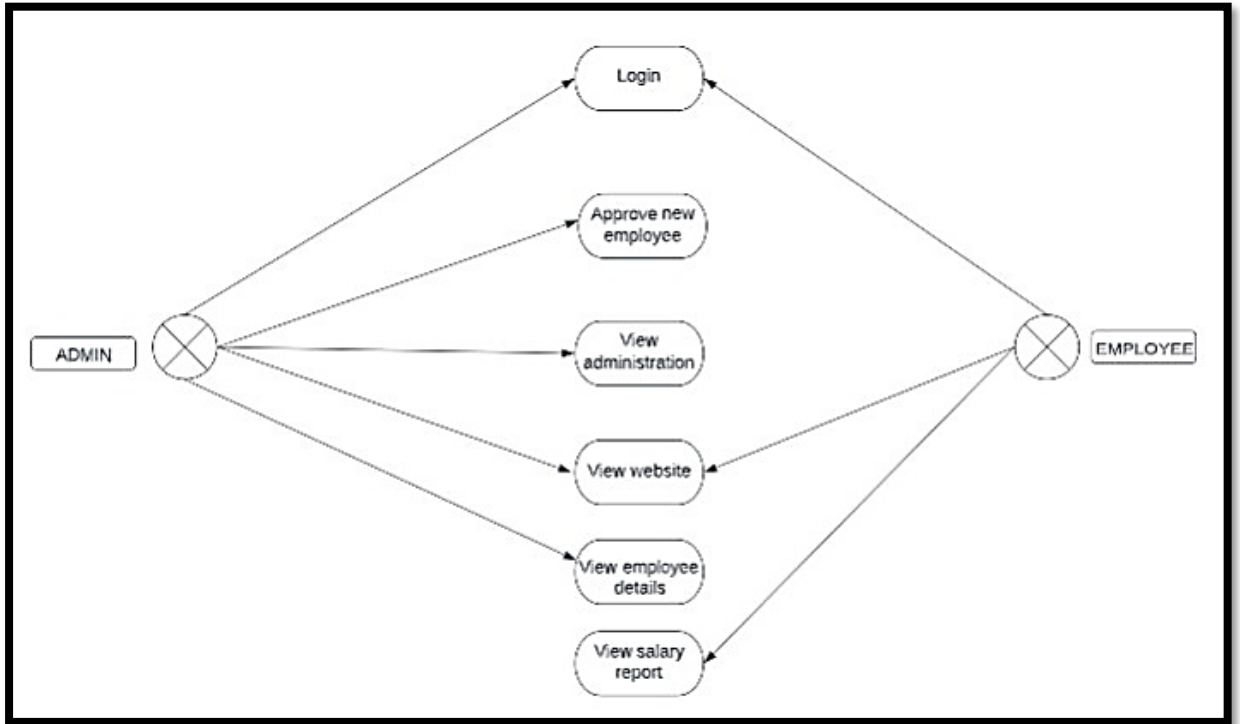
CHAPTER 3.0 : FINAL DESIGN

3.1 Admin Page

3.1.1 List Graphical User Interface

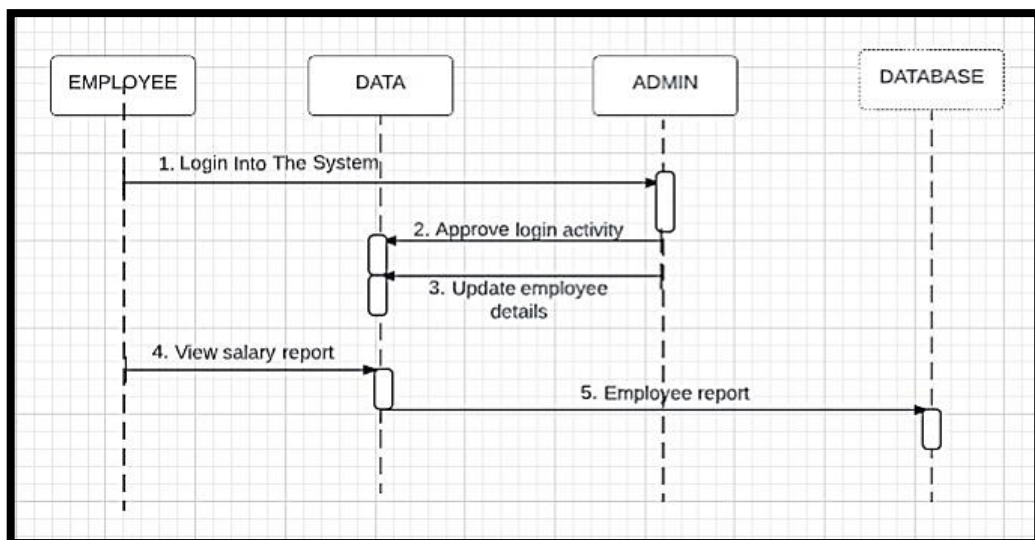This diagram shows how the user interact with the internal software system.

3.1.2 Use Case Diagram

This diagram specifies the expected behavior such as what will be done by the user.

3.1.3 Sequence Diagram

This diagram shows the detail how operations are carried out.

3.1.4 Flowchart of HRMS
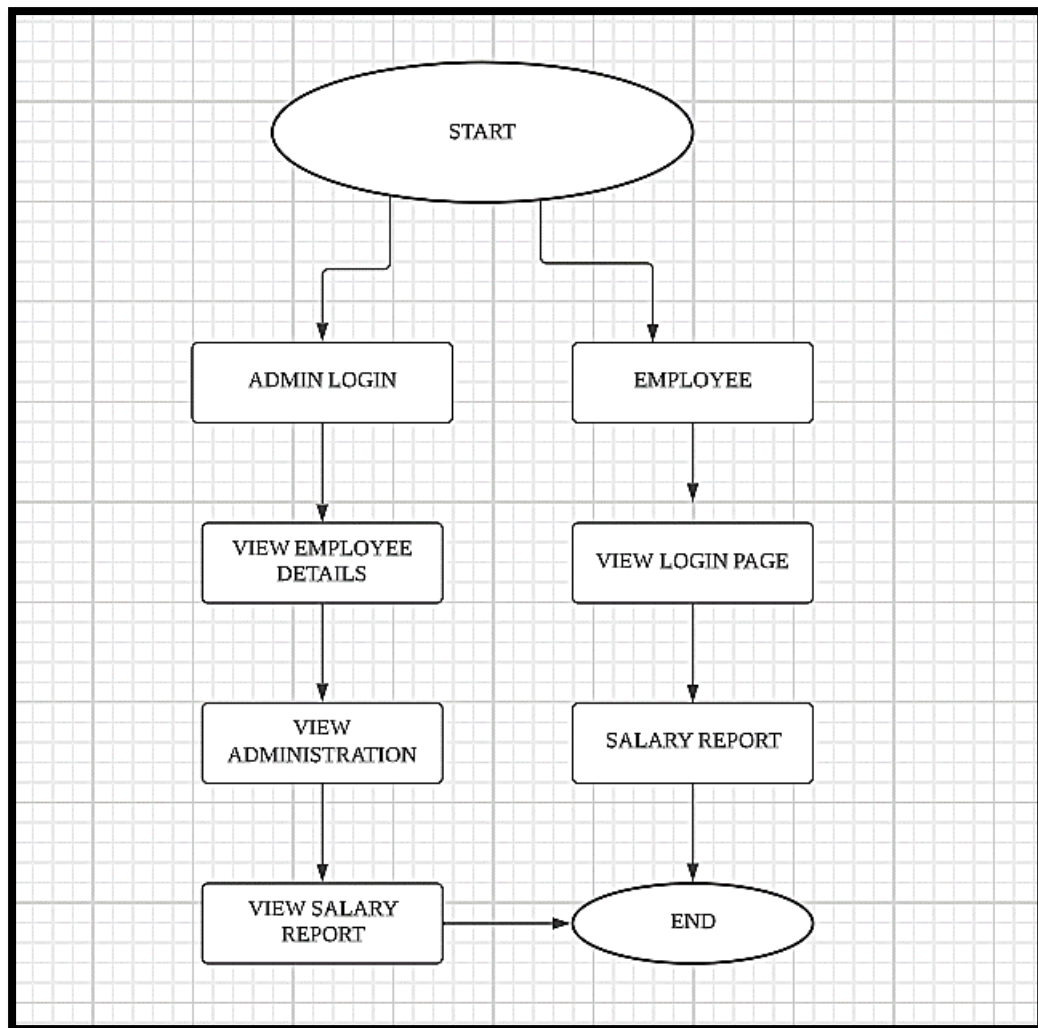
3.2 Physical Design

Starting from Requirement Gathering (Phase 1) data was gathered to start developing a prototyping model by interviewing the users of HUMAN RESOURCES MANAGEMENT SYSTEM (HRMS) website. Then it was followed by Quick Design (Phase 2) where a preliminary design or a quick design of the website was created. It gives a brief idea of the website to HUMAN RESOURCES MANAGEMENT SYSTEM (HRMS) users. The results of Phase 2 helped in developing the prototype of the website. After that, build a Prototype (Phase 3) was the phase where a physical design and an actual prototype was designed based on the information gathered from quick design. It is a small working model of the required system. It was developed based on users' requests.

3.2.1 List Graphical User Interface (GUI)

This is the list of Graphical User Interface of the users

Table 3.2.1.1: List Graphical User Interface

Figure	Graphics/GUI	Description
	Landing Page of HUMAN RESOURCES MANAGEMENT SYSTEM (HRMS)	Landing Page of HUMAN RESOURCES MANAGEMENT SYSTEM (HRMS)
ADMIN INTERFACE		
	Admin Home Page	Home Page Admin
	Approve Admin Page	Approve Admin Page allows admin able to Log in page
	Form Information List Page	Admin to view form Information List in (Show Style: Table)
	Activity View Page	Admin to view Activity
DASHBOARD INTERFACE		
	Dashboard Page	Home Page as dashboard
	Employee Registration Form	Admin to add new employee
	Employee Salary Form	Admin to add employee salary
	Salary Report	Admin to employee salary report
ABOUT & CHANGE PASSWORD		
	About Us Page	About page for the shop
	Change Password	To admin change their password
	Form Information List Page	Super Admin to view form Information
PAYSLIP		
	Output page as pay slip	Admin can view the pay slip page to print

3.2.2 Landing Page Interface

This is homepage of the admin page.

Figure 3.2.2.1: Admin Page
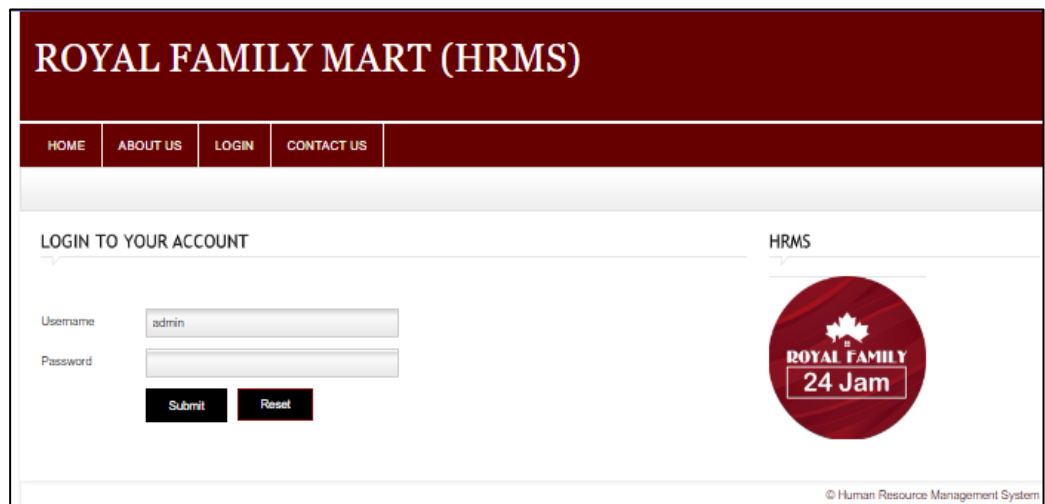
This is admin's login page.

Figure 3.2.2.2: Login Page

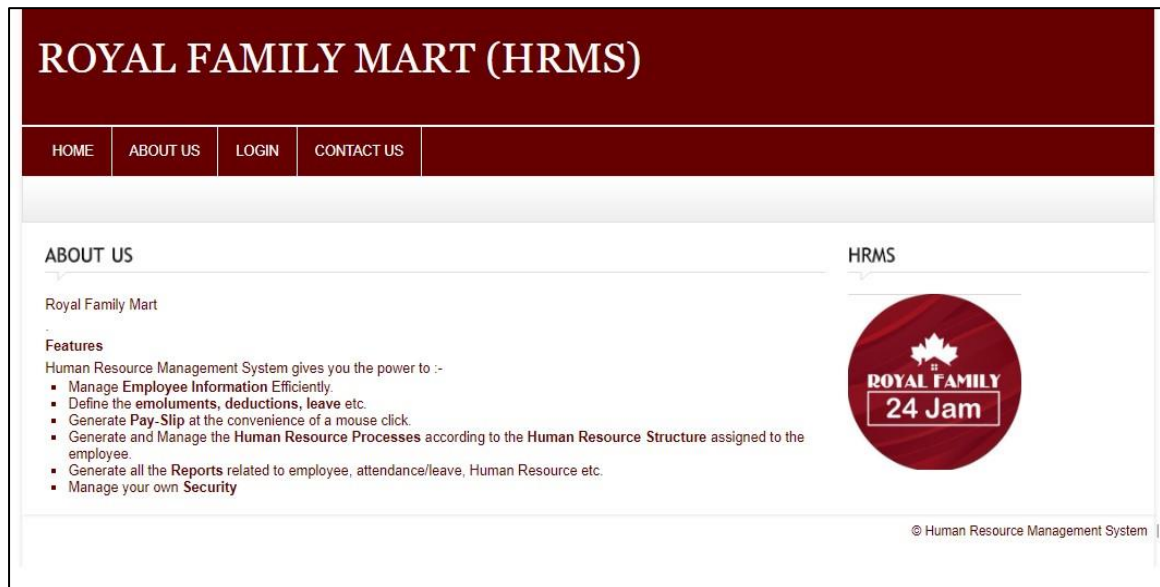This is the description page about the Royal Family Mart.

Figure 3.2.2.3: About Us Page
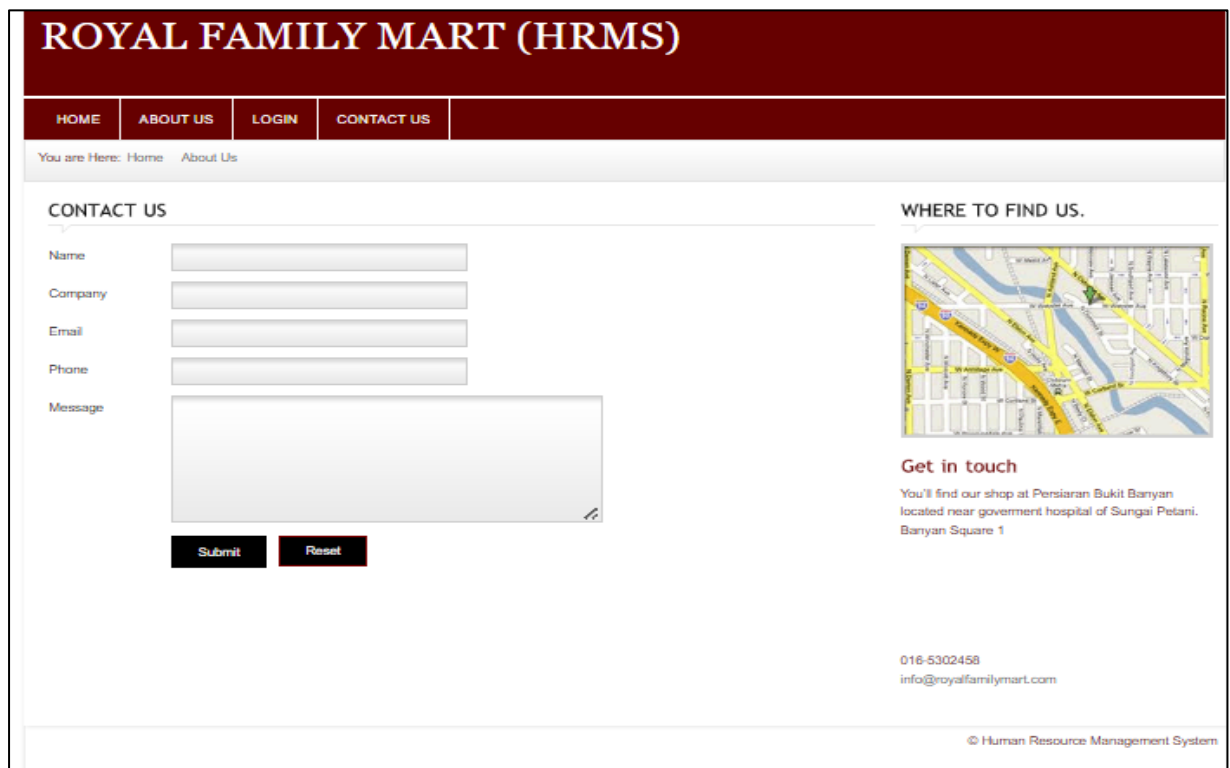
This is the contact us page for the users to register.

Figure 3.2.2.4 : Contact Us Page

Figure 3.2.2.5: Employee Details Page

This is the page that shows the new employee's information.

Figure 3.2.2.6: New Employee Page

This is the page that shows the employee's salary information.

Figure 3.2.2.7: Employee Salary Page

This is the page to view about employee details.

Figure 3.2.2.8: Employee Report Page

This is the page to view employee's salary information together with the payslip.

Figure 3.2.2.9: Employee Salary Report Page

Admin can change password through this page.

Figure 3.2.2.10: Password Page
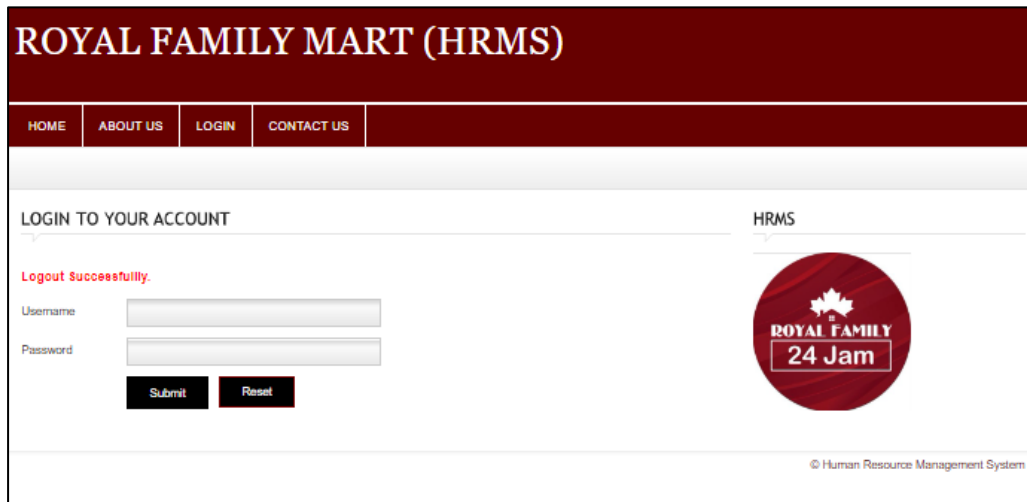
Figure 3.2.2.11: Log out Page

This page helps to view the pay slip of the employees.
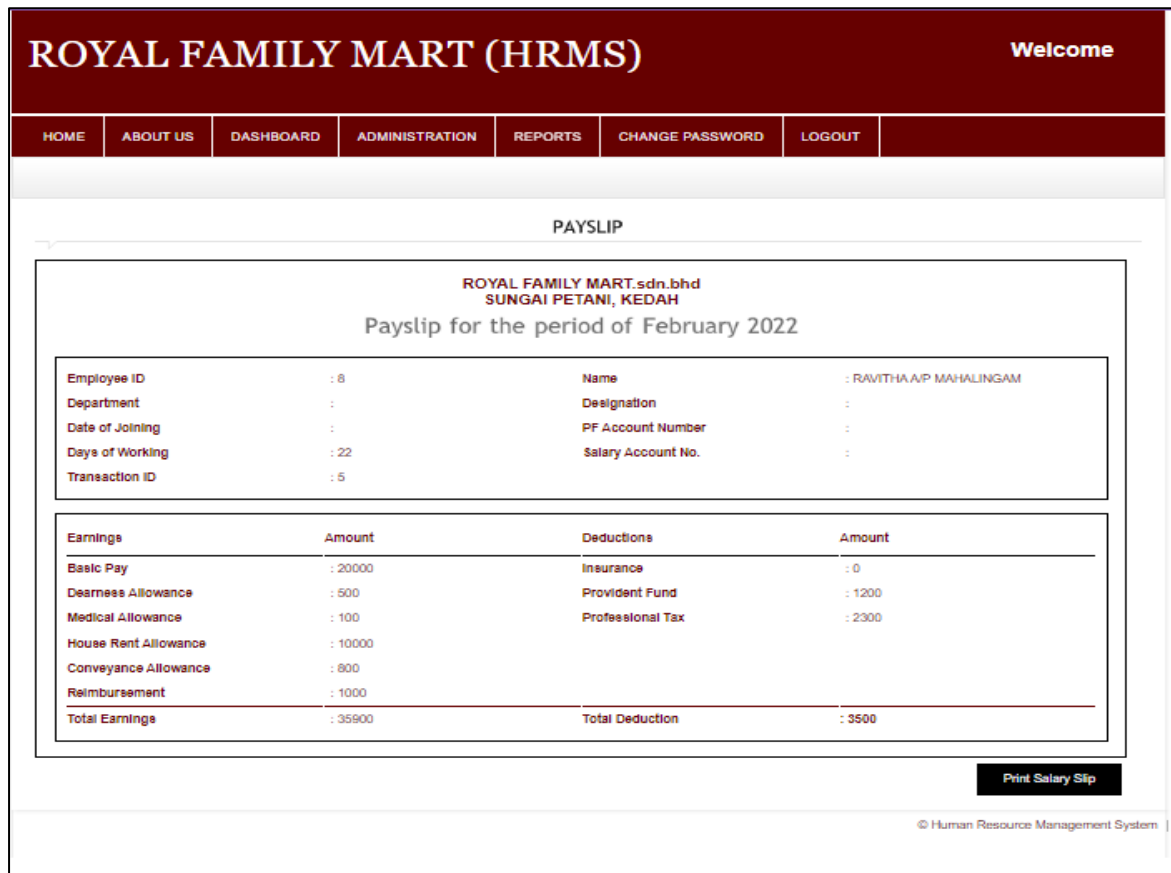
Figure 3.2.2.12: Payslip Page

This are the database that we connected for our project.

```
--
-- Database: `human_resource_management_system`
--


-- --------------------------------------------------------


--
-- Table structure for table `city`
--


CREATE TABLE `city` (
  `city_id` int(10) UNSIGNED NOT NULL,
  `city_name` varchar(45) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `city`
--


INSERT INTO `city` (`city_id`, `city_name`) VALUES
(1, 'SUNGAI PETANI'),
(2, 'KULIM'),
(3, 'BUTTERWORTH'),
(4, 'PERAI');


-- --------------------------------------------------------


--
-- Table structure for table `country`
--
```

```sql
CREATE TABLE `country` (
  `country_id` int(11) NOT NULL,
  `country_name` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `country`
--


INSERT INTO `country` (`country_id`, `country_name`) VALUES
(1, 'MALAYSIA');


-- --------------------------------------------------------


--
-- Table structure for table `login`
--


CREATE TABLE `login` (
  `login_id` int(11) NOT NULL,
  `login_user` varchar(255) NOT NULL,
  `login_password` varchar(255) NOT NULL,
  `login_level` varchar(255) NOT NULL,
  `login_date` int(11) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `login`
--


INSERT    INTO    `login`    (`login_id`,    `login_user`,
`login_password`, `login_level`, `login_date`) VALUES
(1, 'admin', 'test', '', NULL);
```

```
-- ----------------------------------------------------------


--
-- Table structure for table `month`
--


CREATE TABLE `month` (
  `month_id` int(11) NOT NULL,
  `month_name` varchar(100) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `month`
--


INSERT INTO `month` (`month_id`, `month_name`) VALUES
(1, 'January'),
(2, 'February'),
(3, 'March'),
(4, 'April'),
(5, 'May'),
(6, 'June'),
(7, 'July'),
(8, 'August'),
(9, 'September'),
(10, 'October'),
(11, 'November'),
(12, 'December');


-- ----------------------------------------------------------


--
```

```sql
-- Table structure for table `role`
--


CREATE TABLE `role` (
  `role_id` int(11) NOT NULL,
  `role_name` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `role`
--


INSERT INTO `role` (`role_id`, `role_name`) VALUES
(1, 'Admin User'),
(2, 'Normal User'),
(3, 'Customer');


-- --------------------------------------------------------


--
-- Table structure for table `salary`
--


CREATE TABLE `salary` (
  `salary_id` int(11) NOT NULL,
  `salary_user_id` varchar(255) NOT NULL,
  `salary_month` varchar(255) NOT NULL,
  `salary_working_days` varchar(255) NOT NULL,
  `salary_basic` varchar(255) NOT NULL,
  `salary_hra` varchar(255) NOT NULL,
  `salary_mediclaim` varchar(255) NOT NULL,
  `salary_ta` varchar(255) NOT NULL,
  `salary_da` varchar(255) NOT NULL,
```

```sql
  `salary_reimbursement` varchar(255) NOT NULL,

  `salary_ca` varchar(255) NOT NULL,

  `salary_others` varchar(255) NOT NULL,

  `salary_dpf` varchar(255) NOT NULL,

  `salary_dtax` varchar(255) NOT NULL,

  `salary_desc` text NOT NULL,

  `salary_total` varchar(255) NOT NULL,

  `salary_dedc` varchar(255) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--

-- Dumping data for table `salary`

--


INSERT INTO `salary` (`salary_id`, `salary_user_id`,
`salary_month`, `salary_working_days`, `salary_basic`,
`salary_hra`, `salary_mediclaim`, `salary_ta`, `salary_da`,
`salary_reimbursement`, `salary_ca`, `salary_others`,
`salary_dpf`, `salary_dtax`, `salary_desc`, `salary_total`,
`salary_dedc`) VALUES

(2, '22', '12', '26', '2000', '100', '150', '1200', '500',
'', '800', '0', '0', '0', 'Salary for the december month',
'4750', '0'),

(5, '8', '2', '22', '20000', '10000', '100', '1200', '500',
'1000', '800', '2300', '1200', '2300', 'Salary for the
January month', '35900', '3500'),

(6, '8', '3', '22', '20000', '10000', '100', '1200', '500',
'1000', '800', '2300', '1200', '2300', 'Salary for the
January month', '35900', '3500');


-- ----------------------------------------------------------


--

-- Table structure for table `state`

--


CREATE TABLE `state` (
```

```sql
  `state_id` int(11) NOT NULL,
  `state_name` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;


--
-- Dumping data for table `state`
--

INSERT INTO `state` (`state_id`, `state_name`) VALUES
(1, 'PENANG'),
(2, 'KEDAH');


-- --------------------------------------------------------


--
-- Table structure for table `user`
--

CREATE TABLE `user` (
  `user_id` int(11) NOT NULL,
  `user_name` varchar(255) NOT NULL,
  `user_add1` varchar(255) NOT NULL,
  `user_add2` varchar(255) NOT NULL,
  `user_city` varchar(255) NOT NULL,
  `user_state` varchar(255) NOT NULL,
  `user_country` varchar(255) NOT NULL,
  `user_email` varchar(255) NOT NULL,
  `user_mobile` varchar(255) NOT NULL,
  `user_gender` varchar(255) NOT NULL,
  `user_dob` varchar(255) NOT NULL,
  `user_image` varchar(255) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

```
--

-- Dumping data for table `user`

--


INSERT INTO `user` (`user_id`, `user_name`, `user_add1`,
`user_add2`, `user_city`, `user_state`, `user_country`,
`user_email`, `user_mobile`, `user_gender`, `user_dob`,
`user_image`) VALUES

(7, 'SUKUMAR A/L SIVA', 'House no : 56', 'JALAN TUN
SAMBANTHAN', 'PERAI', 'PULAU PINANG ', 'MALAYSIA',
'sukumar@gmail.com', '0111890672', 'MALE', '26
December,1993', ''),

(8, 'RAVITHA A/P MAHALINGAM', 'House no : 768', 'JALAN
TENGGIRI', 'PERAI', 'PULAU PINANG', 'MALAYSIA ',
'ravi09@gmail.com', '01256798889', 'FEMALE', '13
January,1961', ''),

(10, 'MANASI A/P LINGGUSAMY', 'House No: 98', 'TAMAN SIAKAP',
'KULIM', 'KEDAH', 'MALAYSIA', 'manasi@gmail.com',
'0169982345', 'FEMALE', '18 January,1968', ''),

(16, 'KARTHIK A/P KUMAR', 'House No : 355, Sector 23', 'TAMAN
KITAR', 'SUNGAI PETANI', 'KEDAH', 'MALAYSIA',
'karthik98@gmail.com', '0174555099', 'MALE', '10
March,1989', ''),

(19, 'Teresa', 'No393B,Jalan Anggerik 9/11', 'Bandar
Amanjaya', '1', '2', '1', 'cyrilteresaglory@gmail.com',
'0122442166', '', '24 May,2002', ''),

(20, 'Muhammad Najmi Syahiman Bin Nurdin', 'no 706 jalan
haruan', 'taman bernam', '2', '2', '1',
'najmisyahiman@gmai.com', '01140489840', '', '29
December,2022', 'scc.jpg'),

(21, 'azman', 'No393B,Jalan Anggerik 9/11', 'bandar
amanjaya', '4', '1', '1', 'azman@gmail.com', '0117258130',
'', '26 April,1980', 'Screenshot 2022-12-20 070514.jpg'),

(22, 'abi', 'No393B,Jalan Anggerik 9/11', 'waterpark condo',
'3', '1', '1', 'cyrilteresaglory@gmail.com', '01116701243',
'', '24 May,2002', '');


--

-- Indexes for dumped tables

--


--
```

```
-- Indexes for table `city`
--
ALTER TABLE `city`
  ADD PRIMARY KEY (`city_id`);


--
-- Indexes for table `country`
--
ALTER TABLE `country`
  ADD PRIMARY KEY (`country_id`);


--
-- Indexes for table `login`
--
ALTER TABLE `login`
  ADD PRIMARY KEY (`login_id`);


--
-- Indexes for table `month`
--
ALTER TABLE `month`
  ADD PRIMARY KEY (`month_id`);


--
-- Indexes for table `role`
--
ALTER TABLE `role`
  ADD PRIMARY KEY (`role_id`);


--
-- Indexes for table `salary`
--
ALTER TABLE `salary`
```

```sql
  ADD PRIMARY KEY (`salary_id`);


--
-- Indexes for table `state`
--
ALTER TABLE `state`
  ADD PRIMARY KEY (`state_id`);


--
-- Indexes for table `user`
--
ALTER TABLE `user`
  ADD PRIMARY KEY (`user_id`);


--
-- AUTO_INCREMENT for dumped tables
--


--
-- AUTO_INCREMENT for table `city`
--
ALTER TABLE `city`
  MODIFY `city_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,
AUTO_INCREMENT=21;


--
-- AUTO_INCREMENT for table `country`
--
ALTER TABLE `country`
  MODIFY `country_id` int(11) NOT NULL AUTO_INCREMENT,
AUTO_INCREMENT=3;


--
-- AUTO_INCREMENT for table `login`
```

```
--

ALTER TABLE `login`

  MODIFY  `login_id`  int(11)  NOT  NULL  AUTO_INCREMENT,
AUTO_INCREMENT=2;


--

-- AUTO_INCREMENT for table `month`

--

ALTER TABLE `month`

  MODIFY  `month_id`  int(11)  NOT  NULL  AUTO_INCREMENT,
AUTO_INCREMENT=13;


--

-- AUTO_INCREMENT for table `role`

--

ALTER TABLE `role`

  MODIFY  `role_id`  int(11)  NOT  NULL  AUTO_INCREMENT,
AUTO_INCREMENT=4;


--

-- AUTO_INCREMENT for table `salary`

--

ALTER TABLE `salary`

  MODIFY  `salary_id`  int(11)  NOT  NULL  AUTO_INCREMENT,
AUTO_INCREMENT=7;


--

-- AUTO_INCREMENT for table `state`

--

ALTER TABLE `state`

  MODIFY  `state_id`  int(11)  NOT  NULL  AUTO_INCREMENT,
AUTO_INCREMENT=3;


--

-- AUTO_INCREMENT for table `user`
```

```
--

ALTER TABLE `user`

  MODIFY   `user_id`   int(11)   NOT   NULL   AUTO_INCREMENT,
AUTO_INCREMENT=23;

COMMIT;


/*!40101  SET  CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT
*/;

/*!40101                                                    SET
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;

/*!40101  SET  COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION
*/;
```

CHAPTER 4.0 TEST DESCRIPTION AND RESULTS

4.0 UNIT TESTING

4.1 Unit Testing Plan

This is activities that been tested throughout the project.

Table 4.1.1: Unit Testing Plan

UNIT TESTING PLAN (UTP)						
No	Test Case	Test Procedure	Pre-Condition	Expected Result	Tester	Result (Pass/Fail)
1	Log in	i. Users are prompted to fill in the user id and password fields. ii. Users must click "submit" button.	User must have an existing account based on their position.	User is redirected to their specific home page based on their position.	TERESA	Pass
2	Dashboard (Add New Employee) - Admin (HRMS)	i. Admin (HRMS) is prompted to fill in the required fields to add new employee for specific new employee based on their position.	The account for new user based on their position user (HRMS) is about to create does not exist.	Employee's Detail has been added.	TERESA	Pass

| 3 | Dashboard (Add Employee Salary) Admin (HRMS) | i. Admin will key in employee's salary. | Admin must add employee's data in system before calculate employee salary | Salary has been calculated | TERESA | Pass |
| 4 | Change Password Admin | Admin can change their password | Password has been changed | Admin password changed | TERESA | Pass |

4.2 Integration Testing Plan

This is the integration testing plan that been conducted throughout the project.

Table 4.2.1: Integration Testing Plan

INTEGRATION TESTING PLAN (ITP)						
No	Test Case	Test Procedure	Pre-Condition	Expected Result	Tester	Result (Pass/Fail)
1	Log in	i Users are prompted to fill in the user id and password fields. ii Users must click "submit" button.	User must have an existing account based on	Data is pulled from the database and stored in kosc3.	TERESA	Pass

			their position.		45	
2	Register (Add New Employee) - Admin (HRMS)	i. Admin (HRMS)is prompted to fill in the required fields to add new employee	The account for new employee admin (HRMS) is about to create does not exist.	Data inputted into Add New Employee form is inserted into table registration in the database.	TERESA	Pass
3	Approve	i. ADMIN is required to verify all approve registration that has been added. ii. ADMIN must click "SUBMIT" button.	Admin must register accounts into Register	The (all employee) data that has been approve by user admin will be updated to status verify into the object verify in table registration in the database	TERESA	Pass

| 4 | Register List (Show Style: Table) | Admin can view Register table. | Data in form Register List must exist first. | The Data is shown in Register List table. | TERESA | Pass |
| 5 | Activity List (Show Style: Table) | Users (all) can view form Activity List / table. . | Data in form Activity List must exist first. | The Data is shown in Activity List table. | TERESA | Pass |

4.3 User Acceptance Test

This is the user acceptance test that have been conducted throughout the project.

Table 4.3.1: User Acceptance Test

USER ACCEPTANCE TEST					
No	Test Case	Acceptance Requirement	Expected Result	Tester	Result (Pass/Fail)
1	Log in	Admin are prompted to fill in the username and password fields to log in into the system.	Admin will be able to log in and be redirected to their specific home page based on their position.	TERESA	Pass
2	Register (Add New Employee) (HRMS)	Admin (All Positions) are prompted to fill all fields to register into the system.	User (HRMS) is redirected to the (HRMS) home page	TERESA	Pass

3	Approve ADMIN	Admin add new employee	Admin are redirected to register list page.	TERESA	Pass
4	Employee Salary (Show Style: Table)	Admin can register data in salary report card / table form.	All details are shown in Register List table.	TERESA	Pass
5	Inserts form Information (Employee REPORT)	Admin are prompted to fill all fields to form into the system.	User is redirected to the home page	TERESA	Pass
7	Form Information List (Show Style: Table)	Admin can view data in Information List.	Data is shown in database.	TERESA	Pass
8	Inserts Activity	Admin are prompted to fill all fields to activity into the system.	Admin is redirected to the home page.	TERESA	Pass
9	Employee salary (Show Style: Table)	Can view data in database	Data is shown in database.	TERESA	Pass

CHAPTER 5.0 : MAJOR FINDINGS AND DISCUSSIONS

5.1 Advantage(s) of the Project

5.1.1 Problem Solving

A large portion of the HRMS has an issue in dealing with the data of worker data included where the administration presently records the representative's data physically by utilizing Logbook. The project will be used to record, display, and store the information of the mart's employees in the hopes that it will assist management in managing the information in a more systematic manner. This is where the project plays a crucial role in resolving the issue that is confronting majority of departments.

5.1.2 Benefit

The Human Resource Management system is cost-effective. The Human Resource Management System will allow you to automate time-consuming data entry tasks. This way, you will save the company a lot of money because the automation, in addition to the initial savings, will free your organization from using paper. With the right HR software, all processes will become digital. The next benefit of Human Resource Management is Human Error Minimization. Many unnecessary business costs are due to human error. With HR software, you can reduce the possibility of typical mistakes like double entries and gives employees the ability to double-check their work for any possible typos.

5.1.3 Other Advantage(s)

    i.   Better employee self-service.

    ii.   Improved employee management.

    iii.   Better employee performance.

    iv.   Routine tasks automation.

5.2 Disadvantage(s) of the Project

    i.   Lack of adaptability.

    ii.   Expense.

    iii.   Unpredictability.

CHAPTER 6.0 CONCLUSIONS

6.1 Conclusions

As we conclude, the users were able to implement an HRM system that solves their issues and problems regarding the payroll, requests, and employee organization.

Moreover, not only did give mobility for the users to keep track of their payroll, and other records, but the company is able to work efficiently with their day-to-day process without having too many issues in their internal affairs. We were able to gather data from management and analysis that helped the identify the main problems and issues of the company with the client. These issues point out mainly on the payroll process and the organization of the processes in the company which were filing of leaves and requests, organizing employees, and keeping track of the employee activities. Moreover, the client was able to realize these new issues that affects the performance of the company.

CHAPTER 7.0 RECOMMENDATIONS

6.1 Recommendations

- Adapt the system design to Future Standards.
- Updating the website with the newest information and additional facilities

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