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SECV1223 - WEB PROGRAMMING

ASSIGNMENT 2: DOCUMENT MANAGEMENT SYSTEM (DMS)

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## 1.0 Introduction

The Document Management System (DMS) is a powerful software solution that simplifies the process of storing, organizing, and retrieving digital documents. The DMS provides a user-friendly interface and a comprehensive range of functionality to fulfill your document management needs, whether you are an individual, a small corporation, or a large enterprise.

The Document Management System's major goal is to overcome the difficulties associated with traditional paper-based document storage and retrieval. There are various advantages to installing the DMS. It offers effective document storage, allowing you to electronically keep a large collection of documents, decreasing the need for physical storage space and avoiding the danger of misplacement or damage.

Furthermore, with comprehensive security features such as user identification and access controls, the DMS offers better document security. This guarantees that only authorized personnel have access to critical papers, protecting your precious data.

The technology also provides quicker document retrieval capabilities as well as enhanced search capabilities. You may save time and effort by rapidly locating certain documents based on essential information such as document type, date, or keywords.

Another important element of the DMS is collaborative document management. It enables seamless team communication by allowing document sharing and version control, ensuring that everyone has access to the most up-to-date information

Furthermore, by keeping an audit trail, the solution helps compliance and auditing operations. This assures regulatory compliance and makes historical papers easier to retrieve during audits or legal processes.

To improve document management even further, the DMS lets you index documents with crucial information such as title, author, date, and keywords. This allows for efficient classification and retrieval. The system also contains strong access control measures that ensure papers are only available to authorized users while also protecting sensitive information.

Finally, the Document Management System is an effective instrument for streamlining the processes of document storage, retrieval, and collaboration. You may boost productivity, increase data security, and optimize your organization's document management operations by deploying this solution. This user guide will help you understand the system's capabilities and get the most out of your document management experience.

## 2.0 Overview of project

A document management system (DMS) is a software solution that allows organizations to store, manage, track, and control their digital documents and files in a centralized repository. The Document Management System (DMS) project aims to develop a comprehensive and user-friendly solution for managing documents within an organization. The system will streamline the process of document creation, storage, retrieval, and collaboration, ultimately enhancing productivity and reducing administrative overheads. The DMS offers a variety of capabilities to fulfill your document management needs, whether you are an individual, small business, or large corporation. Here's an overview of a typical document management system project:

### 1. Project Initiation:

- Identify the need for a DMS and define project objectives.
- Form a project team and allocate resources.
- Conduct a feasibility study and define the project scope.
- Establish a project timeline and budget.

### 2. Development:

- Develop the DMS software based on the approved system design.
- Implement core functionalities like document upload, versioning, check-in/check-out, access control, and metadata management.
- Integrate the DMS with other systems, such as content management systems, CRM systems, or email clients.
- Implement search functionality to enable users to quickly find documents based on various criteria.

### 3. System Design:

- Design the overall system architecture, including the database structure, user interface, and integration points.
- Determine the technology stack and infrastructure requirements.
- Create wireframes or prototypes to visualize the user interface and gather feedback from stakeholders.
- Design security mechanisms to protect sensitive documents and ensure data privacy.

4. Testing and Quality Assurance:

- Perform unit testing, integration testing, and system testing to ensure the DMS functions as expected.
- Conduct user acceptance testing (UAT) with selected stakeholders to validate that the system meets their requirements.
- Identify and resolve any bugs or issues discovered during testing.

5. Maintenance and Support:

- Provide ongoing technical support for users and administrators.
- Monitor system performance and conduct periodic maintenance tasks like backups, updates, and security patches.
- Gather user feedback and implement enhancements or new features as needed.
- Regularly review and improve system security measures to protect against potential vulnerabilities.

## **3.0 System modules available in the system**

### **3.1 User Management Module**

This module focuses on managing user accounts and permissions within the DMS. It allows administrators to create and manage user profiles, assign roles and permissions, and control access to various features and documents within the system. User management ensures proper authentication and authorization for secure document management.

### **3.2 Document Upload Module**

The Document Upload Module enables users to upload documents into the DMS. It provides an interface for selecting files from local storage or other sources, such as cloud storage or scanning devices. This module may include features like file validation, metadata extraction, and version control to ensure accurate and organized document storage.

### **3.3 Document Organization Module**

The Document Organization Module facilitates the categorization and organization of documents within the DMS. It typically includes features such as folder creation, tagging, and metadata management. This module helps users create a logical structure and taxonomy for storing and retrieving documents, making it easier to locate specific files and maintain an organized document repository.

### **3.4 Document Access Control Module**

The Document Access Control Module governs the access rights and permissions for documents stored in the DMS. It allows administrators to define access levels, assign permissions to user roles or individual users, and control actions like reading, writing, edit, or delete for each document. This module ensures that sensitive or confidential documents are only accessible to authorized individuals and helps maintain data security.

## **4.0 Functionalities of Modules**

### **4.1 User Management Module**

- Creation and management of user accounts within the DMS.
- User authentication and authorization to ensure secure access.
- Assignment of roles and permissions to control user actions and privileges.
- User profile management, including personal information, preferences, and settings.

### **4.2 Document Upload Module**

- Uploading documents into the DMS from various sources.
- Support for different file formats, such as PDF, Word, Excel, etc.
- File validation to ensure data integrity and prevent unauthorized files.
- Extraction of document metadata, such as title, author, date, etc.
- Version control to manage different versions of a document.

### **4.3 Document Organization Module**

- Creation and management of folders or directories for organizing documents.
- Categorization and tagging of documents for easy search and retrieval.
- Metadata management, allowing users to add additional information to documents.
- Hierarchical structure to establish a logical organization of files.
- Integration with indexing and search functionalities for efficient document retrieval.

### **4.4 Document Access Control Module**

- Defining access levels and permissions for different user roles or individuals.
- Controlling actions like reading, writing, editing, and deleting for each document.
- Granting or revoking access privileges based on user authorization.
- Ensuring document security and preventing unauthorized access.
- Audit trails and logging to track document access and modifications.

These functionalities provide a solid foundation for a Document Management System. Depending on the specific system and requirements, additional features like document workflow management, collaboration tools, search and retrieval capabilities, retention and archiving options, and integration with other systems may also be included.



## 5.0 Database Conceptual Design

### 3.1 Update Business Rule

To update the business rules based on a database management system (DBMS), we can leverage the capabilities and features of the DBMS to improve the efficiency and effectiveness of the document management process. Here are the updated business rules incorporating the use of a DBMS:

#### 1. Document Filing

- Documents will be stored electronically in the DBMS instead of physical folders or storage cabinets.
- Each document will be assigned a unique identifier as a primary key in the database to differentiate it.

#### 2. Document Category

- Documents will be tagged or classified based on their types using metadata fields in the database.
- Each category will have a corresponding table or collection in the DBMS.

#### 3. Indexing

- Key information such as title, writer, date, and other relevant details will be stored as attributes or columns in the document table in the DBMS.
- The DBMS will provide indexing mechanisms to optimize search and retrieval of documents based on specific criteria.

#### 4. Storage

- Documents will be stored electronically in the DBMS, eliminating the need for physical storage shelves or cabinets.
- The DBMS will ensure data integrity and security through backup and disaster recovery mechanisms.

## 5. Backup

- Regular backups of the database will be performed using the DBMS's backup and recovery features.
- Version control functionality can be implemented within the DBMS to manage different document versions.

## 6. Disposal

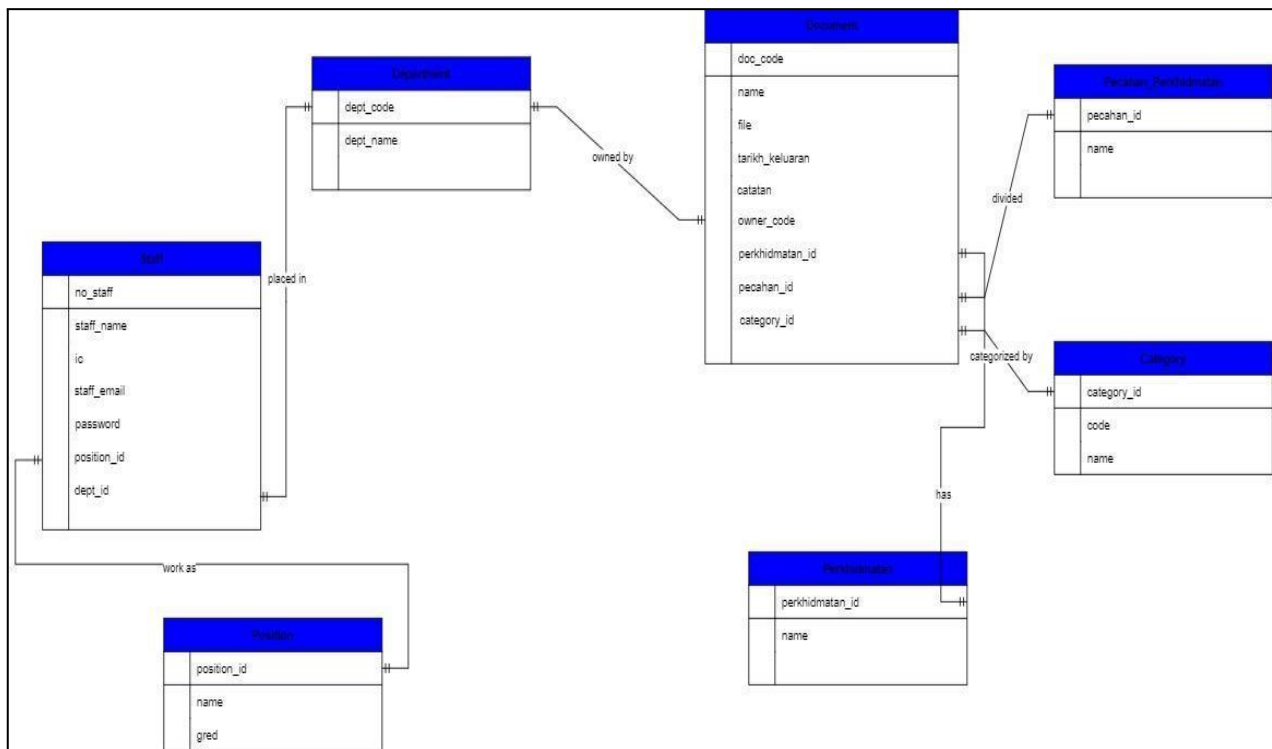
- Documents that are no longer needed can be marked as archived or deleted from the database.
- The DBMS can provide features to track and manage document lifecycle, including disposal.

## 7. Users

- File managers can use the DBMS's user management capabilities to control access to documents and track changes.
- Staff members can search and retrieve documents directly from the DBMS using appropriate interfaces or applications.
- Printing or photocopying of documents can be minimized by providing digital access to authorized staff.

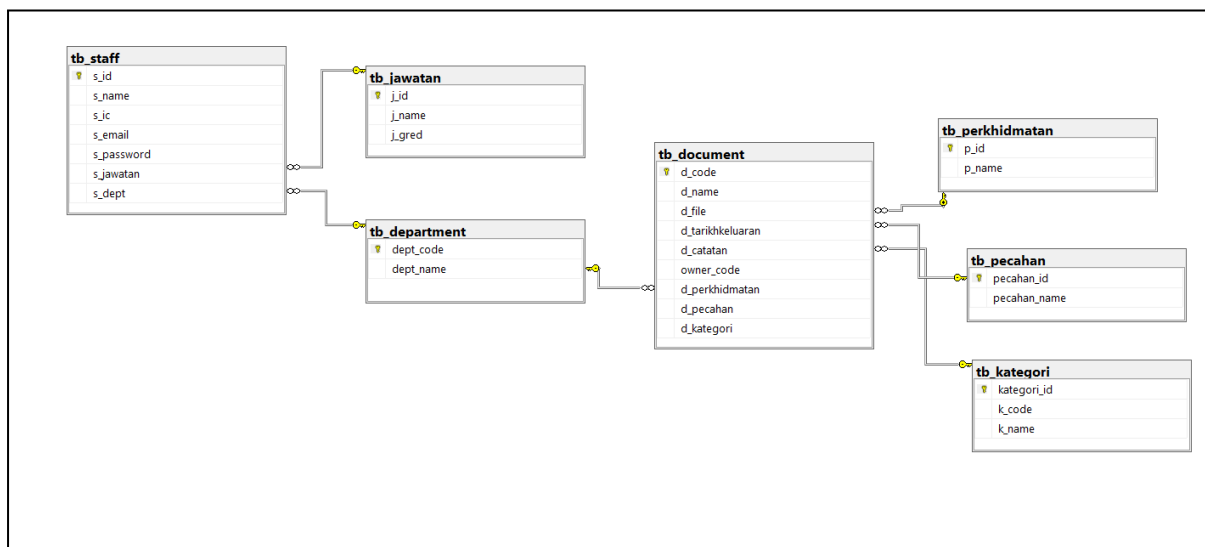
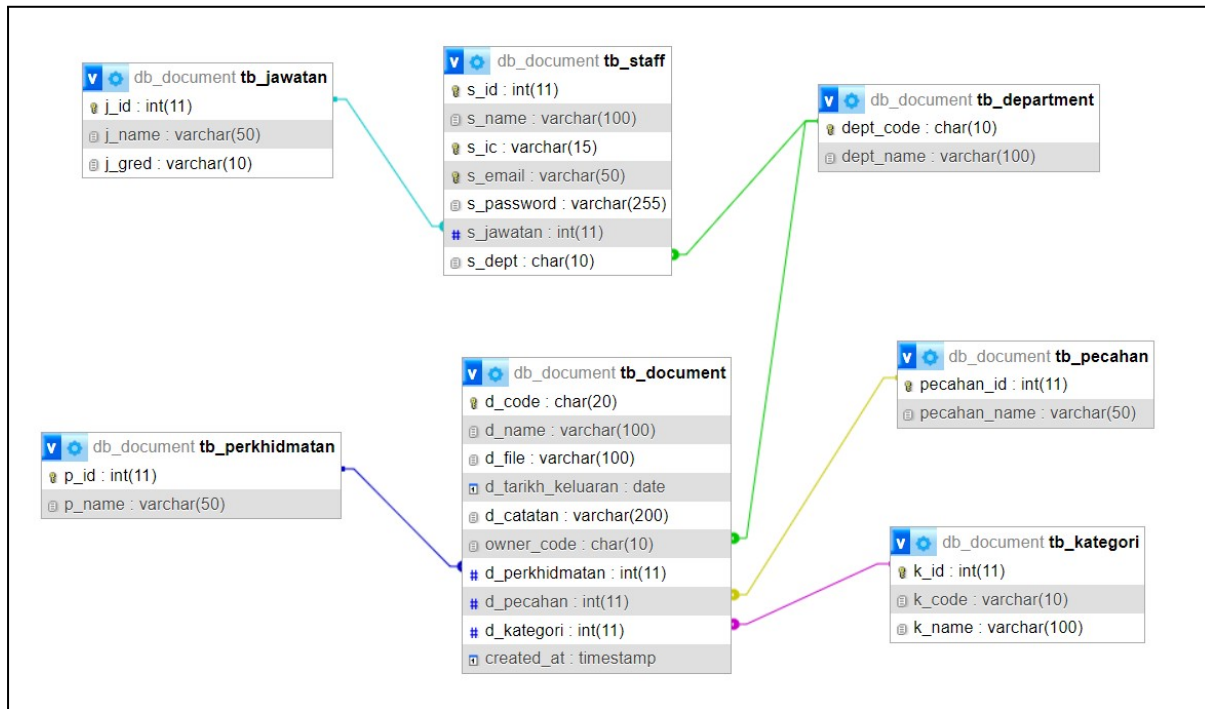
By adopting a DBMS, the document management process can become more efficient, secure, and scalable. It eliminates the need for physical storage, enables easier search and retrieval, ensures data integrity, and provides better control over the document lifecycle.

## 3.2 Conceptual ERD



## 6.0 DB Logical Design

### 4.1 Logical ERD



## 4.2 Updated Data Dictionary

Entity Name	Attributes	Data Type & Length	Nulls	Multi-valued
<b>tb_staff</b>	s_id	int(11)	No	No
	s_name	varchar(100)	No	No
	s_ic	varchar(15)	No	No
	s_email	varchar(50)	No	No
	s_password	varchar(255)	No	No
	s_jawatan	int(11)	No	No
	s_dept	char(10)	No	No
<b>tb_jawatan</b>	j_id	int(11)	No	No
	j_name	varchar(50)	No	No
	j_gred	varchar(10)	No	No
<b>tb_department</b>	dept_code	char(10)	No	No
	dept_name	varchar(100)	No	No
<b>tb_document</b>	d_code	char(20)	No	No
	d_name	varchar(100)	No	No
	d_file	varchar(100)	No	No
	d_tarikh_keluaran	date	No	No
	d_catatan	varchar(200)	No	No
	owner_code	char(10)	No	No

	d_perkhidmatan	int(11)	No	No
	d_pecahan	int(11)	No	No
	d_kategori	int(11)	No	No
	created_at	timestamp	No	No
<b>tb_pecahan</b>	pecahan_id	int(11)	No	No
	pecahan_name	varchar(50)	No	No
<b>tb_kategori</b>	k_id	int(11)	No	No
	k_code	varchar(10)	No	No
	k_name	varchar(100)	No	No
<b>tb_perkhidmatan</b>	p_id	int(11)	No	No
	p_name	varchar(50)	No	No

## 4.3 Normalization

### Normalization (0NF)

Document

Doc_c ode	Doc_n ame	Doc_ file	D_tarikh_ keluaran	D_cat atan	Dept_ code	Dept_nam e	Perkhidmat an_name	Pecahan_ name	Kategori _name	...

...	Staff_ no	Staff_na me	staff_ic	Staff_e mail	Staff_pas sword	Jawatan _id	Jawata n_nam e	Jawatan _gred	Dept_c ode	Dept_nam e

### Normalization (1NF)

Document

Doc_ code	Doc_ name	Doc_f ile	D_tarikh_ keluaran	D_catat an	Dept_c ode	Dept_na me	Perkhidmat an_name	Pecahan_ name	Kategori_n ame

Staff

Staff_ no	Staff_n ame	staff_ic	Staff_em ail	Staff_p asswor d	Jawatan _id	Jawatan_ name	Jawatan_ gred	Dept_c ode	Dept_nam e

## Normalization (2NF)

### Document

Doc_c ode	Doc_ name	Doc_file	D_tarikh_ keluaran	D_catatan	Dept_co de	Perkhidmatan _name	Pecahan_n ame	Kategori_n ame

### Staff

Staff_no	Staff_name	Staff_ic	Jawatan_id	Dept_code

### Department

Dept_code	Dept_name

### Jawatan

Jawatan_id	Jawatan_name	Jawatan_gred

### Staff\_Credentials

Staff_no	Staff_email	Staff_password



## Normalization (3NF)

### Document

Doc_c ode	Doc_n ame	Doc_f ile	D_tarikh_kel uaran	D_catat an	Dept_co de	Perkhidmat an_id	Pecahan_id	Kategori_id

### Staff

Staff_no	Staff_name	Staff_ic	Jawatan_id	Dept_code

### Department

Dept_code	Dept_name

### Jawatan

Jawatan_id	Jawatan_name	Jawatan_gred

### Staff\_Credentials

Staff_no	Staff_email	Staff_password

### Perkhidmatan

Perkhidmatan_id	Perkhidmatan_name

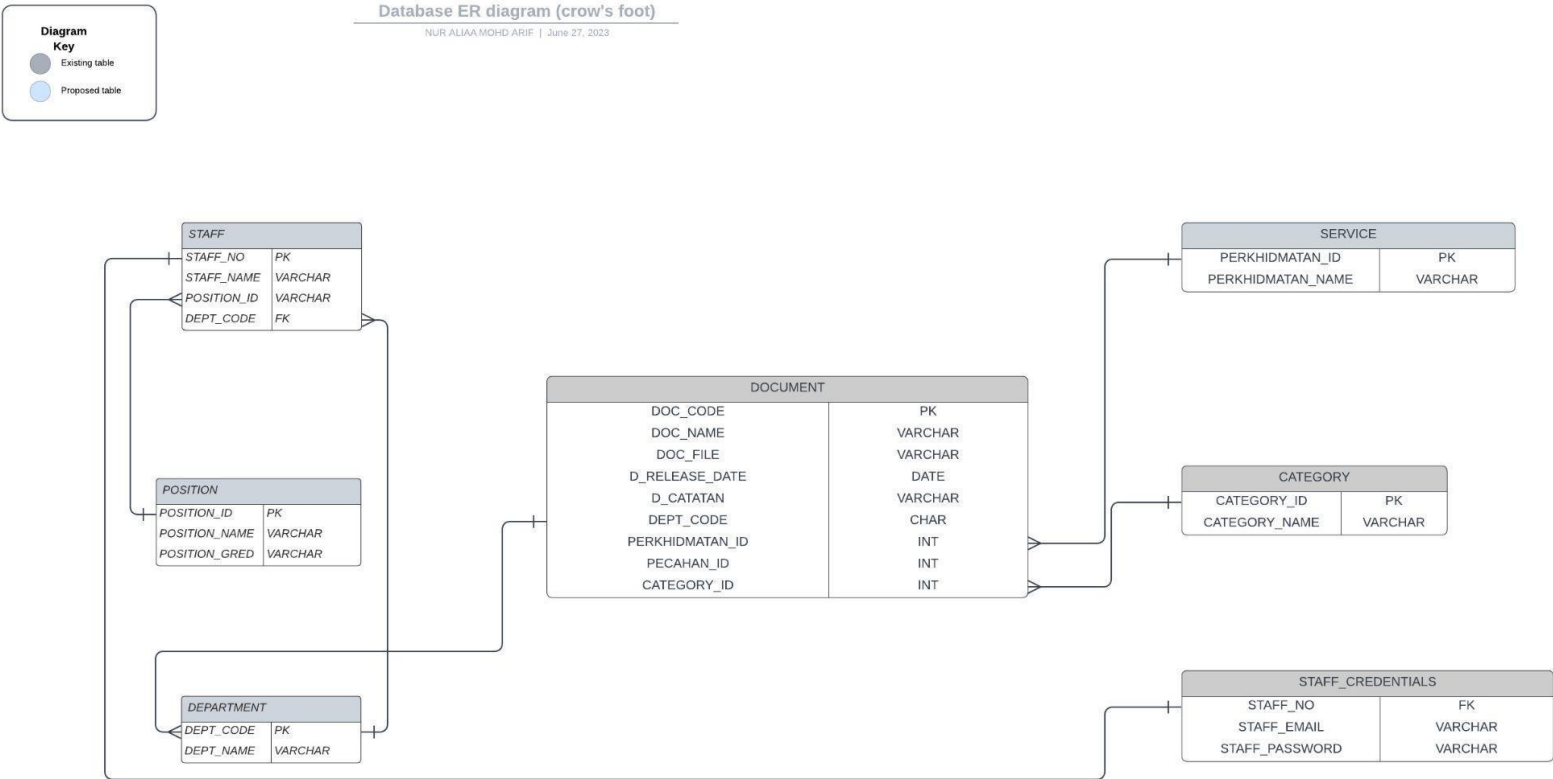
### Pecahan Perkhidmatan

Pecahan_id	Pecahan_name

### Kategori

Kategori_id	Kategori_name

# 7.0 Relational DB Schemas (after normalization)

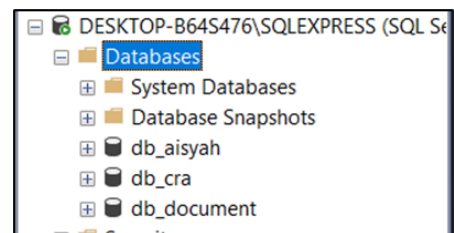
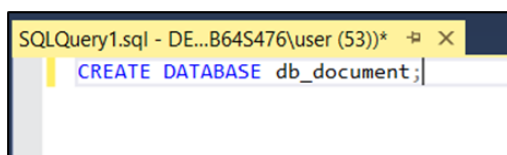


## 8.0 SQL Statements (DDL & DML)

### 6.1 Data Definition Language (DDL)

#### 1. CREATE DATABASE

CREATE DATABASE db\_document;



## 2. CREATE TABLE

### a) TABLE DEPARTMENT

```
CREATE TABLE tb_department(  
dept_code char(10) PRIMARY KEY,  
dept_name varchar(100) NOT NULL  
);
```

### b) TABLE JAWATAN

```
CREATE TABLE tb_jawatan(  
j_id int AUTO_INCREMENT PRIMARY KEY,  
j_name varchar(50) NOT NULL,  
j_gred varchar(10) NOT NULL  
);
```

**c) TABLE STAFF**

```
CREATE TABLE tb_staff(  
    s_id int PRIMARY KEY,  
    s_name varchar(100) NOT NULL,  
    s_ic varchar(15) NOT NULL UNIQUE,  
    s_email varchar(50) NOT NULL,  
    UNIQUE (s_email),  
    s_password varchar(255) NOT NULL,  
    s_jawatan int NOT NULL,  
    FOREIGN KEY (s_jawatan) REFERENCES tb_jawatan(j_id),  
    s_dept char(10) NOT NULL,  
    FOREIGN KEY (s_dept) REFERENCES tb_department(dept_code));
```

**d) TABLE PERKHIDMATAN**

```
CREATE TABLE tb_perkhidmatan(  
    p_id int AUTO_INCREMENT PRIMARY KEY,  
    p_name varchar(50) NOT NULL  
);
```

**e) TABLE KATEGORI**

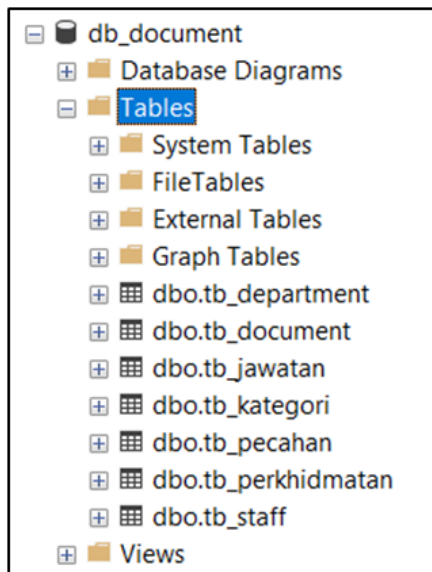
```
CREATE TABLE tb_kategori(  
    k_id int AUTO_INCREMENT PRIMARY KEY,  
    k_code varchar(10) NOT NULL,  
    k_name varchar(100) NOT NULL  
);
```

**f) TABLE PECAHAN\_PERKHIDMATAN**

```
CREATE TABLE tb_pecahan(  
    pecahan_id int AUTO_INCREMENT PRIMARY KEY,  
    pecahan_name varchar(50) NOT NULL  
);
```

**g) TABLE DOCUMENT**

```
CREATE TABLE tb_document(  
    d_code char(20) PRIMARY KEY,  
    d_name varchar(100) NOT NULL,  
    d_file varchar(100) NOT NULL,  
    d_tarikh_keluaran date NOT NULL,  
    d_catatan varchar(200),  
    owner_code char(10), FOREIGN KEY (owner_code) REFERENCES  
    tb_department(dept_code),  
    d_perkhidmatan int, FOREIGN KEY (d_perkhidmatan) REFERENCES  
    tb_perkhidmatan(p_id),  
    d_pecahan int, FOREIGN KEY (d_pecahan) REFERENCES  
    tb_pecahan(pecahan_id),  
    d_kategori int, FOREIGN KEY (d_kategori) REFERENCES tb_kategori(k_id),  
);
```





## 6.2 Data Manipulation Language (DML)

### SQL INSERT INTO

#### 1. Table Staff

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (12345, 'Admin', '010430075682',  
'admin@gmail.com', 'password', 1, 'PKP');
```

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (12358, 'Zuraini', '740906085468',  
'zuraini@gmail.com', 'password', 15, 'BKA');
```

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (12365, 'Mariyam', '010430075682',  
'mariyam@gmail.com', 'password', 12, 'OSC');
```

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (13564, 'Azmir', '740810025601',  
'azmir@gmail.com', 'password', 5, 'PR');
```

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (16816, 'Khairul Bariyyah', '001203071234',  
'bariyyah@gmail.com', 'password', 1, 'PKP');
```

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (16817, 'Aisyah Umairah', '010430075682',  
'aisyah@gmail.com', 'password', 1, 'PKP');
```

```
insert into tb_staff ("s_id", "s_name", "s_ic", "s_email", "s_password",  
"s_jawatan", "s_dept") values (54321, 'Abdul Mukmin', '031219075123',  
'mukmin@gmail.com', 'password', 3, 'PW');
```

## 2. Table Jawatan

Insert into tb\_jawatan("j\_name", "j\_gred") values('Penolong Pegawai Teknologi Maklumat','FA29');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Pegawai Teknologi Maklumat','F41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Juruteknik Komputer','FT17');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Penolong Jurutera','JA29');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Arkitek','JA41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Penolong Akauntan','WA29');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Akauntan','WA41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Penolong Pegawai Kesihatan Persekitaran','UA29');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Pegawai Kesihatan Persekitaran','UA41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Penolong Pegawai Undang-Undang','LA29');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Pegawai Undang-Undang','LA41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Pembantu Tadbir','NA19');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Penolong Pegawai Tadbir','NA29');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Pegawai Tadbir','NA41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Pegawai Perubatan','UD41');

Insert into tb\_jawatan("j\_name", "j\_gred") values('Juruaudit','W41');

```
Insert into tb_jawatan("j_name", "j_gred") values('Penolong  
Juruaudit','W29');
```

```
Insert into tb_jawatan("j_name", "j_gred") values('Jururawat','UA29');
```

### 3. Table Department

```
Insert into tb_department ("dept_code", "dept_name") values ('BKA',  
'Jabatan Kesihatan Persekitaran');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('COB',  
'Jabatan Pesuruhjaya Bangunan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('KAD', 'Unit  
Audit Dalam');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('OSC', 'Unit  
Pusat Setempat (OSC)');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PB',  
'Jabatan Kawalan Bangunan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PE',  
'Jabatan Penguatkuasaan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PJ',  
'Jabatan Kejuruteraan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PKK',  
'Jabatan Pengurusan Korporat dan Komuniti');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PKP',  
'Jabatan Khidmat Pengurusan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PL',  
'Jabatan Pelesenan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PLK',  
'Jabatan Landskap');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PNH',  
'Jabatan Penilaian Dan Pengurusan Harta');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PP',  
'Jabatan Perbendaharaan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PPP',  
'Jabatan Perkhidmatan Perbandaran');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PR',  
'Jabatan Perancangan Pembangunan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PU', 'Unit  
Undang-undang');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('PW',  
'Jabatan Konservasi Warisan');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('UI', 'Unit  
Integriti');
```

```
Insert into tb_department ("dept_code", "dept_name") values ('UPP', 'Unit  
Penyelarasan Pembangunan');
```

#### 4. **Table Kategori**

```
insert into tb_kategori("k_code", "k_name") values ('PK','Prosedur Kerja');
```

```
insert into tb_kategori("k_code", "k_name") values ('AK','Arahan Kerja');
```

```
insert into tb_kategori("k_code", "k_name") values ('PK-PS','Prosedur  
Kerja - Proses Sokongan');
```

```
insert into tb_kategori("k_code", "k_name") values ('PKS','Prosedur Kerja  
Selamat');
```

```
insert into tb_kategori("k_code", "k_name") values ('PKS-PS','Prosedur  
Kerja Selamat - Proses Sokongan');
```

#### 5. **Table Perkhidmatan**

```
insert into tb_perkhidmatan("p_name") values ('Perkhidmatan Teras');
```

```
insert into tb_perkhidmatan("p_name") values ('Perkhidmatan Sokongan');
```

```
insert into tb_perkhidmatan("p_name") values ('Dokumen Induk');
```

```
insert into tb_perkhidmatan("p_name") values ('Kawalan Keselamatan');
```

## 6. Table Pecahan

```
insert into tb_pecahan("pecahan_name") values ('Garis Panduan');

insert into tb_pecahan("pecahan_name") values ('Kawalan Bangunan');

insert into tb_pecahan("pecahan_name") values ('Kawalan Pemajuan');

insert into tb_pecahan("pecahan_name") values ('Kawalan Pematuhan');

insert into tb_pecahan("pecahan_name") values ('Kawalan Perniagaan');

insert into tb_pecahan("pecahan_name") values ('Kawalan Persekitaran');

insert into tb_pecahan("pecahan_name") values ('Manual');

insert into tb_pecahan("pecahan_name") values ('Mekanikal dan
Elektrikal');

insert into tb_pecahan("pecahan_name") values ('Pelaksanaan dan
Pemantauan Projek');

insert into tb_pecahan("pecahan_name") values ('Pembersihan');

insert into tb_pecahan("pecahan_name") values ('Pengurusan Aduan');

insert into tb_pecahan("pecahan_name") values ('Pengurusan Aset dan
Stor');

insert into tb_pecahan("pecahan_name") values ('Pengurusan
Kewangan');

insert into tb_pecahan("pecahan_name") values ('Pengurusan Lalulintas
dan Tempat Letak Kereta');

insert into tb_pecahan("pecahan_name") values ('Pengurusan Landskap');

insert into tb_pecahan("pecahan_name") values ('Pengurusan
Pentadbiran');

insert into tb_pecahan("pecahan_name") values ('Pengurusan Sumber
Manusia');

insert into tb_pecahan("pecahan_name") values ('Pengurusan Teknologi
Maklumat');

insert into tb_pecahan("pecahan_name") values ('Pengurusan
Undang-undang dan Penguatkuasaan');
```

```
insert into tb_pecahan("pecahan_name") values ('Pernyataan  
Pemakaian');
```

```
insert into tb_pecahan("pecahan_name") values ('Polisi');
```

```
insert into tb_pecahan("pecahan_name") values ('Prosedur Kerja  
Selamat');
```

```
insert into tb_pecahan("pecahan_name") values ('Prosedur Kerja  
Sokongan (Keselamatan)');
```

```
insert into tb_pecahan("pecahan_name") values ('Penilaian Dan  
Pengurusan Harta');
```



## 7. Table Document

```
insert into tb_document ("d_code", "d_name", "d_file", "d_tarikhkeluaran",  
"d_catatan", "owner_code", "d_perkhidmatan", "d_pecahan", "d_kategori")  
values ('MBPP:AK-PR-05', 'Ulasan Teknikal Permohonan Lesen Tred,  
Perniagaan Dan Perindustrian', '05 - Ulasan Teknikal Permohonan Lesen  
Tred, Perniagaan Dan Perindustrian.pdf', '2018-07-05', '', 'PR', '1', '5', '2');
```

```
insert into tb_document ("d_code", "d_name", "d_file", "d_tarikhkeluaran",  
"d_catatan", "owner_code", "d_perkhidmatan", "d_pecahan", "d_kategori")  
values ('MBPP:AK-PR-06', 'Ulasan Teknikal Permohonan Lesen  
Establisymen Makanan', '06 - Ulasan Teknikal Permohonan Lesen  
Establisymen Makanan.pdf', '2018-07-05', '', 'PR', '1', '5', '2');
```

```
insert into tb_document ("d_code", "d_name", "d_file", "d_tarikhkeluaran",  
"d_catatan", "owner_code", "d_perkhidmatan", "d_pecahan", "d_kategori")  
values ('MBPP:PK-PP-22', 'Proses Bayaran Kelompok Jabatan-Jabatan  
Majlis', '22 - Proses Bayaran Kelompok Jabatan-Jabatan  
Majlis.pdf', '2018-07-05', '', 'PP', '2', '13', '1');
```

## SQL RETRIEVE DATA

Select \* From tb\_staff Order By s\_name ASC;

The screenshot shows a SQL query window with the query: `Select * from tb_staff Order by s_name ASC;`. The results are displayed in a table with 7 rows and 7 columns: s\_id, s\_name, s\_ic, s\_email, s\_password, s\_jawatan, and s\_dept.

	s_id	s_name	s_ic	s_email	s_password	s_jawatan	s_dept
1	54321	Abdul Mukmin	031219075123	mukmin@gmail.com	password	3	PW
2	12345	Admin	012345678910	admin@gmail.com	password	1	PKP
3	16817	Aisyah Umairah	011204080676	aisyahumairah0412@gmail.com	password	1	PKP
4	13564	Azmir	740810025601	azmir@gmail.com	password	5	PR
5	16816	Khairul Bariyyah	001203071234	bariyyah@gmail.com	password	1	PKP
6	12365	Mariyam	010430075682	mariyam@gmail.com	password	12	OSC
7	12358	Zuraini	740906085468	zuraini@gmail.com	password	15	BAK

Select count(distinct s\_id) from tb\_staff;

The screenshot shows a SQL query window with the query: `select count(distinct s_id) from tb_staff;`. The results are displayed in a table with 1 row and 1 column: (No column name).

	(No column name)
1	7

Select \* from tb\_document where d\_kategori = 2;

The screenshot shows a SQL query window with the query: `select * from tb_document where d_kategori = 2;`. The results are displayed in a table with 2 rows and 10 columns: d\_code, d\_name, d\_file, d\_tarikhkeluaran, d\_catatan, owner\_code, d\_perkhidmatan, d\_pecahan, and d\_kategori.

	d_code	d_name	d_file	d_tarikhkeluaran	d_catatan	owner_code	d_perkhidmatan	d_pecahan	d_kategori
1	MBPPAK-PR-05	Ulasan Teknikal Permohonan Lesen Tred, Pem...	05 - Ulasan Teknikal Permohonan Lesen Tred, Pem...	2018-07-05	NULL	PR	1	5	2
2	MBPPAK-PR-06	Ulasan Teknikal Permohonan Lesen Establiymen Ma...	06 - Ulasan Teknikal Permohonan Lesen Establiymen...	2018-07-05	NULL	PR	1	5	2

Select \* from tb\_staff where s\_id =12345 and s\_password = 'password';

The screenshot shows a SQL query window with the query: `select * from tb_staff where s_id = 12345 and s_password = 'password';`. The results are displayed in a table with 1 row and 7 columns: s\_id, s\_name, s\_ic, s\_email, s\_password, s\_jawatan, and s\_dept.

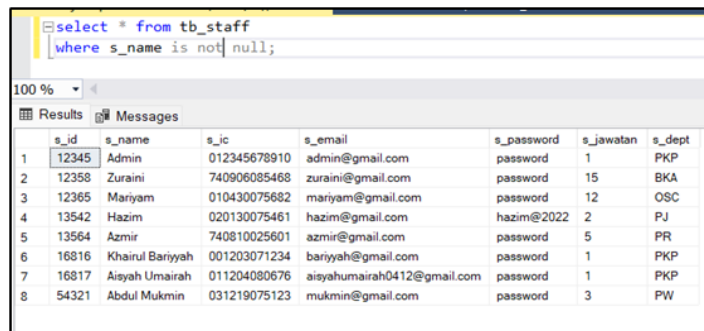
	s_id	s_name	s_ic	s_email	s_password	s_jawatan	s_dept
1	12345	Admin	012345678910	admin@gmail.com	password	1	PKP

Select \* from tb\_staff where s\_name is null;

The screenshot shows a SQL query window with the query: `select * from tb_staff where s_name is null;`. The results are displayed in a table with 0 rows and 7 columns: s\_id, s\_name, s\_ic, s\_email, s\_password, s\_jawatan, and s\_dept.

	s_id	s_name	s_ic	s_email	s_password	s_jawatan	s_dept
--	------	--------	------	---------	------------	-----------	--------

Select \* from tb\_staff where s\_name is not null;



The screenshot shows a SQL query execution window. The query is: `select * from tb_staff where s_name is not null;`. The results are displayed in a table with 8 rows and 7 columns. The columns are: s\_id, s\_name, s\_ic, s\_email, s\_password, s\_jawatan, and s\_dept. The rows contain data for various staff members, including Admin, Zuraini, Mariyam, Hazim, Azmir, Khairul Bariyyah, Aisyah Umairah, and Abdul Mukmin.

	s_id	s_name	s_ic	s_email	s_password	s_jawatan	s_dept
1	12345	Admin	012345678910	admin@gmail.com	password	1	PKP
2	12358	Zuraini	740906085468	zuraini@gmail.com	password	15	BKA
3	12365	Mariyam	010430075682	mariyam@gmail.com	password	12	OSC
4	13542	Hazim	020130075461	hazim@gmail.com	hazim@2022	2	PJ
5	13564	Azmir	740810025601	azmir@gmail.com	password	5	PR
6	16816	Khairul Bariyyah	001203071234	bariyyah@gmail.com	password	1	PKP
7	16817	Aisyah Umairah	011204080676	aisyahumairah0412@gmail.com	password	1	PKP
8	54321	Abdul Mukmin	031219075123	mukmin@gmail.com	password	3	PW

## SQL UPDATE DATA

Update tb\_jawatan set j\_gred = 'UA29' where j\_id =18;

j_id	j_name	j_gred
1	Penolong Pegawai Teknologi Maklumat	FA29
2	Pegawai Teknologi Maklumat	F41
3	Juruteknik Komputer	FT17
4	Penolong Jurutera	JA29
5	Arkitek	JA41
6	Penolong Akauntan	WA29
7	Akauntan	WA41
8	Penolong Pegawai Kesihatan Persekitaran	UA29
9	Pegawai Kesihatan Persekitaran	UA41
10	Penolong Pegawai Undang-Undang	LA29
11	Pegawai Undang-Undang	LA41
12	Pembantu Tadbir	NA19
13	Penolong Pegawai Tadbir	NA29
14	Pegawai Tadbir	NA41
15	Pegawai Perubatan	UD41
16	Juruaudit	W41
17	Penolong Juruaudit	W29
18	Jururawat	UA29
*	NULL	NULL

```
SQLQuery1.sql - DE...B64S476\user (78))*  
UPDATE tb_jawatan  
set j_gred = 'UA29'  
where j_id = 18;
```

16	Juruaudit	W41
17	Penolong Juruaudit	W29
18	Jururawat	UA29
*	NULL	NULL

## SQL DELETE DATA

Delete from tb\_staff where s\_id = 78520;

DESKTOP-B64S476\S...- dbo.tb_jawatan		SQLQuery1.sql - DE...B64S476\user (78))*				DESKTOP-B64S476\S...ent - dbo.tb_staff	
	s_id	s_name	s_ic	s_email	s_password	s_jawatan	s_dept
	12345	Admin	012345678910	admin@gmail.com	password	1	PKP
	12358	Zuraini	740906085468	zuraini@gmail.com	password	15	BKA
	12365	Mariyam	010430075682	mariyam@gmail.com	password	12	OSC
	13564	Azmir	740810025601	azmir@gmail.com	password	5	PR
	16816	Khairul Bariyyah	001203071234	bariyyah@gmail.com	password	1	PKP
	16817	Aisyah Umairah	011204080676	aisyahumairah0412@gm...	password	1	PKP
	54321	Abdul Mukmin	031219075123	mukmin@gmail.com	password	3	PW
	78520	Qadirah	060607070606	qadirah@gmail.com	password	16	PW
►*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```
SQLQuery1.sql - DE...B64S476\user (78))*  
delete from tb_staff  
where s_id = 78520;
```

	s_id	s_name	s_ic	s_email	s_password	s_jawatan	s_dept
►	12345	Admin	012345678910	admin@gmail.com	password	1	PKP
	12358	Zuraini	740906085468	zuraini@gmail.com	password	15	BKA
	12365	Mariyam	010430075682	mariyam@gmail.com	password	12	OSC
	13564	Azmir	740810025601	azmir@gmail.com	password	5	PR
	16816	Khairul Bariyyah	001203071234	bariyyah@gmail.com	password	1	PKP
	16817	Aisyah Umairah	011204080676	aisyahumairah0412@gm...	password	1	PKP
	54321	Abdul Mukmin	031219075123	mukmin@gmail.com	password	3	PW
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

## 9.0 Source code

### Authentication Module

#### Connection.php

```
connection.php > ...
1  <?php
2  $servername = "localhost";
3  $username = "root";
4  $password = "";
5  $dbname = "db_dms";
6
7  $mysqli = new mysqli($servername, $username, $password, $dbname);
8
9  //check connection
10 if($mysqli)
11 {
12 }
13 else
14 {
15     die("Connection failed: " . mysqli_connect_error());
16 }
17
18
19 ?>
```

#### Login.php

```
authentication > login.php > ...
1  <?php
2  // Check if username and password are correct. Username and Password already set to "php","php"
3  require_once("../connection.php");
4
5  $username=$_POST['s_email'];
6  $password=$_POST['s_password'];
7
8  $query = "SELECT * FROM tb_staff WHERE s_email = '$username'";
9  $result = mysqli_query($mysqli, $query);
10
11 if ($result && mysqli_num_rows($result) > 0) {
12     // User exists, check password
13     $user = mysqli_fetch_assoc($result);
14     if (password_verify($password, $user['s_password'])) {
15         session_start(); //start the session
16         $_SESSION["Login"] = "YES";
17         $_SESSION['user'] = $user;
18         $_SESSION['username'] = $user['s_name'];
19         $_SESSION['role'] = $user['role'];
20         header('Location: ../folder-user/profile.php');
21         exit;
22     } else {
23         // Invalid password
24         echo 'Kata Laluan Tidak Sepadan.';
25     }
26 } else {
27     session_start();
28     $_SESSION["Login"] = "NO";
29 }
```

## Logout.php

```
1  <?php
2  session_start();
3
4
5  // if the user is logged in, unset the session
6  if (isset($_SESSION['USER']))
7  {
8      unset($_SESSION['USER']);
9  }
10 session_destroy(); //destroy the session
11
12
13 // go to login page
14 header('Location: ../authentication/page-login.html');
15 exit;
16
```

## Dashboard.php

```
1  <?php
2  session_start();
3  if (isset($_SESSION['user'])) {
4      // Set the content file to include
5      $content = "../layout/home.php";
6
7      // Include the base template
8      include "../layout/induk.php";
9  } else {
10     // Redirect to login page or handle unauthorized access
11     header('Location: ../authentication/page-login.html');
12     exit();
13 }

```

## page-login.html

```
<!DOCTYPE html>
<html class="h-100" lang="en">

<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,initial-scale=1">
  <title>e-ISO MBPP</title>
  <!-- Favicon icon -->
  <link rel="icon" type="image/png" sizes="16x16" href="../../images/favicon.png">
  <link href="../../css/style.css" rel="stylesheet">
</head>

<body class="h-100">
  <div class="login-form-bg h-100">
    <div class="container h-100">
      <div class="row justify-content-center h-100">
        <div class="col-xl-6">
          <div class="form-input-content">
            <div class="card login-form mb-0">
              <div class="card-body pt-5">
                <a class="text-center" href="index.html"> <h4>e-ISO MBPP</h4></a>

                <form class="mt-5 mb-5 login-input" action="login.php" method="post">
                  <div class="form-group">
                    <input type="email" class="form-control" placeholder="Email" name="s_email">
                  </div>
                  <div class="form-group">
                    <input type="password" class="form-control" placeholder="Password" name="s_password">
                  </div>
                  <button class="btn login-form_btn submit w-100">Sign In</button>
                </form>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

  <!--Scripts-->
  <script src="plugins/common/common.min.js"></script>
  <script src="js/custom.min.js"></script>
  <script src="js/settings.js"></script>
  <script src="js/gleek.js"></script>
  <script src="js/styleSwitcher.js"></script>
</body>
</html>
```



## User Module

### insertUser.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    // Check if the form is submitted
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        // Retrieve the form data
        $id = $_POST['s_id'];
        $name = $_POST['s_name'];
        $ic = $_POST['s_ic'];
        $email = $_POST['s_email'];
        $password = password_hash($_POST['s_password'], PASSWORD_DEFAULT); // Encrypt the password using password_hash()
        $jawat = $_POST['s_jawatan'];
        $jab = $_POST['s_dept'];
        $role = $_POST['role'];

        require_once ("../connection.php");
        // Prepare the SQL statement
        $sql = "INSERT INTO tb_staff (s_id, s_name, s_ic, s_email, s_password, s_jawatan, s_dept, role) VALUES (?, ?, ?, ?, ?, ?, ?, ?)";
        $stmt = $mysqli->prepare($sql);

        // Bind the parameters to the statement
        $stmt->bind_param("isisssss", $id, $name, $ic, $email, $password, $jawat, $jab, $role);

        // Execute the statement
        if ($stmt->execute()) {
            // Close the statement and connection
            $stmt->close();
            $mysqli->close();

            header('Location: ../folder-user/index.php');
            exit();
        } else {
            // Close the statement and connection
            $stmt->close();
            $mysqli->close();

            header('Location: ../folder-user/register.php');
            exit();
        }
    }
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## editUser.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    if (isset($_GET['id'])) {
        $id = $_GET['id'];

        require_once("../connection.php");
        $sql = "SELECT * FROM tb_staff WHERE s_id = $id";
        $result = mysqli_query($mysqli, $sql);
        $user = $result->fetch_assoc();

        // Retrieve documents from the database
        $jawatan = "SELECT * FROM tb_jawatan";
        $jabat = $mysqli->query($jawatan);

        // Retrieve data from tb_pecahan
        $jabatan = "SELECT * FROM tb_department";
        $jab = $mysqli->query($jabatan);

        $mysqli->close();
    }

    $content = "../layout/folder-user/edit.php";

    // Include the base template
    include "../layout/induk.php";
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## delete.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    require_once "../connection.php"; // Assuming you have the record ID to be deleted
    $recordId = $_GET['id']; // Assuming you retrieve the record ID from the URL query parameter

    // Prepare the SQL statement
    $sql = "DELETE FROM tb_staff WHERE s_id = ?";
    $stmt = $mysqli->prepare($sql);

    // Bind the parameter to the statement
    $stmt->bind_param("i", $recordId); // Assuming the ID is an integer, use "i" as the data type

    // Execute the statement
    if ($stmt->execute()) {

        $alert = '<div class="alert alert-success">Rekod berjaya dipadam!</div>';
    } else {
        // Error in insertion
        $alert =
            '<div class="alert alert-danger">Rekod gagal dipadam : ' . $stmt->error . '</div>';
    }

    // Close the statement and connection
    $stmt->close();
    $mysqli->close();

    header('Location: ../folder-user/index.php');
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## Update.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    // Check if the form is submitted
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        // Retrieve the form data
        $id = $_POST['s_id'];
        $name = $_POST['s_name'];
        $ic = $_POST['s_ic'];
        $email = $_POST['s_email'];
        $jawat = $_POST['s_jawatan'];
        $jab = $_POST['s_dept'];
        $role = $_POST['role'];

        require_once ("../connection.php");
        // Prepare the SQL statement
        $sql = "UPDATE tb_staff SET s_name = ?, s_ic = ?, s_email = ?, s_jawatan = ?, s_dept = ?, role = ? WHERE s_id = ?";

        $stmt = $mysqli->prepare($sql);

        // Bind the parameters to the statement
        $stmt->bind_param("sissssi", $name, $ic, $email, $jawat, $jab, $role, $id);

        // Execute the statement
        if ($stmt->execute()) {
            // Close the statement and connection
            $stmt->close();
            $mysqli->close();

            header('Location: ../folder-user/index.php');
            exit();
        } else {
            // Close the statement and connection
            $stmt->close();
            $mysqli->close();

            header('Location: ../folder-user/register.php');
            exit();
        }
    }
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## profile.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    if (isset($_GET['id'])) {
        $id = $_GET['id'];

        require_once ("../connection.php");
        $sql = "SELECT * FROM tb_staff WHERE s_id = $id";
        $result = mysqli_query($mysqli, $sql);
        $user = $result->fetch_assoc();

        $mysqli->close();
    } else {
        // Retrieve the user details
        $user = $_SESSION['user'];
    }

    $content = "../layout/folder-user/profile.php";

    // Include the base template
    include "../layout/induk.php";

} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## index.php

```
<?php
session_start();
if (isset($_SESSION['user'])) {
    // Set the content file to include
    $content = "../layout/folder-user/index.php";

    require_once('../connection.php');

    $sql = "SELECT * FROM tb_staff";
    $result = $mysqli->query($sql);

    // Include the base template
    include "../layout/induk.php";
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

register.php

```
<?php
session_start();
if (isset($_SESSION['user'])) {
    // Set the content file to include
    $content = "../layout/folder-user/create.php";

    require_once ('../connection.php');

    // Retrieve documents from the database
    $jawatan = "SELECT * FROM tb_jawatan";
    $jawat = $mysqli->query($jawatan);

    // Retrieve data from tb_pecahan
    $jabatan = "SELECT * FROM tb_department";
    $jab = $mysqli->query($jabatan);

    // Include the base template
    include "../layout/induk.php";
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## Document Module

addDoc.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    require_once "../connection.php";

    // Retrieve documents from the database
    $perkhidmatanQuery = "SELECT * FROM tb_perkhidmatan";
    $perkhidmatanResult = $mysqli->query($perkhidmatanQuery);

    // Retrieve data from tb_pecahan
    $pecahanQuery = "SELECT * FROM tb_pecahan";
    $pecahanResult = $mysqli->query($pecahanQuery);

    // Retrieve data from tb_kategori
    $kategoriQuery = "SELECT * FROM tb_kategori";
    $kategoriResult = $mysqli->query($kategoriQuery);

    // Retrieve data from tb_pemilik
    $pemilikQuery = "SELECT * FROM tb_department";
    $pemilikResult = $mysqli->query($pemilikQuery);

    // Set the content file to include
    $content = "../layout/folder-document/createDoc.php";

    // Include the base template
    include "../layout/induk.php";
    $mysqli->close();
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## createDoc.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    // Check if the form is submitted
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        // Retrieve the form data
        $kodNo = $_POST['d_code'];
        $tajuk = $_POST['d_name'];
        $tarikh = $_POST['d_tarikh_keluaran'];
        $catatan = $_POST['d_catatan'];
        $pemilik = $_POST['owner_code'];
        $perkhidmatan = $_POST['d_perkhidmatan'];
        $pecahan = $_POST['d_pecahan'];
        $kategori = $_POST['d_kategori'];
        // Retrieve other form fields as needed

        // Save the uploaded file
        $fileDir = "../file/"; // Directory to save uploaded files
        $fileName = $_FILES['d_file']['name']; // Name of the uploaded file
        $fileTemp = $_FILES['d_file']['tmp_name']; // Temporary file location
        // Move the uploaded file to the desired directory
        $destination = $fileDir . $fileName;
        if (move_uploaded_file($fileTemp, $destination)) {
            require_once("../connection.php");

            // Prepare the SQL statement
            $sql = "INSERT INTO tb_document (d_code, d_name, d_file, d_tarikh_keluaran, d_catatan,
            owner_code, d_perkhidmatan, d_pecahan, d_kategori) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?)";
            // Adjust the SQL statement and add placeholders for other form fields as needed

            // Prepare and bind the parameters
            $stmt = $mysqli->prepare($sql);
            $stmt->bind_param("ssssssss", $kodNo, $tajuk, $fileName, $tarikh, $catatan, $pemilik, $perkhidmatan, $pecahan, $kategori);
            // Adjust the binding of parameters for other form fields as needed

            // Execute the statement
            if ($stmt->execute()) {
                // Successful insertion
                $alert = '<div class="alert alert-success">Dokumen berjaya di tambah!</div>';
            } else {
                // Error in insertion
                $alert =
                    '<div class="alert alert-danger">Dokumen gagal ditambah : ' . $stmt->error . '</div>';
            }

            // Close the statement and connection
            $stmt->close();
            $mysqli->close();
        } else {
            // Error in file upload
            $alert =
                '<div class="alert alert-danger">Dokumen gagal ditambah </div>';
        }
    }

    $url = '../folder-doc/indexDoc.php?id=' . urlencode($alert);
    header('Location: ' . $url);
    exit();
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```



## deleteDoc.php

```
1  <?php
2  session_start();
3
4  if (isset($_SESSION['user'])) {
5
6      require_once "../connection.php"; // Assuming you have the record ID to be deleted
7      $recordId = $_GET['id']; // Assuming you retrieve the record ID from the URL query parameter
8
9      // Prepare the SQL statement
10     $sql = "DELETE FROM tb_document WHERE d_code = ?";
11     $stmt = $mysqli->prepare($sql);
12
13     // Bind the parameter to the statement
14     $stmt->bind_param("s", $recordId); // Assuming the ID is an integer, use "i" as the data type
15
16     // Execute the statement
17     if ($stmt->execute()) {
18
19         $alert = '<div class="alert alert-success">Dokumen berjaya di padam!</div>';
20     } else {
21         // Error in insertion
22         $alert =
23         '<div class="alert alert-danger">Dokumen gagal di padam : ' . $stmt->error . '</div>';
24     }
25
26     // Close the statement and connection
27     $stmt->close();
28     $mysqli->close();
29
30     $url = '../folder-doc/indexDoc.php?id=' . urlencode($alert);
31
32     header('Location: ' . $url);
33 } else {
34     // Redirect to login page or handle unauthorized access
35     header('Location: ../authentication/page-login.html');
36     exit();
37 }
```

## editDoc.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    require_once "../connection.php";

    if (isset($_GET['id'])) {
        $id = $_GET['id'];
        $sql = "SELECT * FROM tb_document WHERE d_code = '$id'";
        $result = mysqli_query($mysqli, $sql);

        $doc = $result->fetch_assoc();

        // Retrieve documents from the database
        $perkhidmatanQuery = "SELECT * FROM tb_perkhidmatan";
        $perkhidmatanResult = $mysqli->query($perkhidmatanQuery);

        // Retrieve data from tb_pecahan
        $pecahanQuery = "SELECT * FROM tb_pecahan";
        $pecahanResult = $mysqli->query($pecahanQuery);

        // Retrieve data from tb_kategori
        $kategoriQuery = "SELECT * FROM tb_kategori";
        $kategoriResult = $mysqli->query($kategoriQuery);

        // Retrieve data from tb_pemilik
        $pemilikQuery = "SELECT * FROM tb_department";
        $pemilikResult = $mysqli->query($pemilikQuery);

        // Set the content file to include
        $content = "../layout/folder-document/editDoc.php";

        // Include the base template
        include "../layout/induk.php";
        $mysqli->close();
    } else {
        echo "<p class='col-12'>No document ID provided.</p>";
    }
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## viewDoc.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    require_once "../connection.php";

    // Retrieve documents from the database
    if (isset($_GET['id'])) {
        $id = $_GET['id'];
        $sql = "SELECT * FROM tb_document WHERE d_code = '$id'";
        $result = mysqli_query($mysqli, $sql);

        // Set the content file to include
        $content = "../layout/folder-document/viewDoc.php";

        // Include the base template
        include "../layout/induk.php";
        $mysqli->close();
    } else {
        echo "<p class='col-12'>No document ID provided.</p>";
    }
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## index.php

```
<?php
session_start();

if (isset($_SESSION['user'])) {

    require_once "../connection.php";

    // Retrieve documents from the database
    $sql = "SELECT * FROM tb_document";
    $result = mysqli_query($mysqli, $sql);

    if (isset($_GET['id'])) {
        $alert = $_GET['id'];
    }

    // Set the content file to include
    $content = "../layout/folder-document/indexDoc.php";

    // Include the base template
    include "../layout/induk.php";
    $mysqli->close();
} else {
    // Redirect to login page or handle unauthorized access
    header('Location: ../authentication/page-login.html');
    exit();
}
```

## Layout

### induk.php

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,initial-scale=1">

  <!-- theme meta -->
  <meta name="theme-name" content="DMS" />

  <title>e-ISO MBPP</title>

  <!-- Favicon icon -->
  <link rel="icon" type="image/png" sizes="16x16" href="../../images/MBPP_2.png">
  <!-- Pignose Calendar -->
  <link href="../../plugins/pg-calendar/css/pignose.calendar.min.css" rel="stylesheet">
  <!-- Chartist -->
  <link rel="stylesheet" href="../../plugins/chartist/css/chartist.min.css">
  <link rel="stylesheet" href="../../plugins/chartist-plugin-tooltips/css/chartist-plugin-tooltip.css">
  <!-- Custom Stylesheet -->
  <link rel="stylesheet" href="../../css/style.css">
</head>

<body>
  <!-- Main wrapper start -->
  <div id="main-wrapper">
    <?php
    include('navbar.php');
    ?>

    <?php
    include('sidebar.php');
    ?>

    <!-- Content body start -->
    <div class="content-body">

      <div class="container-fluid mt-3">
        <?php include $content; ?>
        <!-- #/ container -->
      </div>
      <!-- Content body end -->

      <!-- Footer start -->
      <div class="footer">
        <div class="copyright">
          <p> Hak Cipta Terpelihara Majlis Bandaraya Pulau Pinang &#169; 2023</p>
        </div>
      </div>
      <!-- Footer end -->
    </div>
  <!-- Main wrapper end -->

  <!-- Scripts -->
  <script src="../../plugins/common/common.min.js"></script>
  <script src="../../js/custom.min.js"></script>
  <script src="../../js/settings.js"></script>
  <script src="../../js/gleek.js"></script>
  <script src="../../js/styleSwitcher.js"></script>

  <!-- Chartjs -->
  <script src="../../plugins/chart.js/Chart.bundle.min.js"></script>
  <!-- Circle progress -->
  <script src="../../plugins/circle-progress/circle-progress.min.js"></script>
  <!-- Datamap -->
  <script src="../../plugins/d3v3/index.js"></script>
  <script src="../../plugins/topojson/topojson.min.js"></script>
  <script src="../../plugins/datanaps/datanaps.world.min.js"></script>
  <!-- Morrisjs -->
  <script src="../../plugins/raphael/raphael.min.js"></script>
  <script src="../../plugins/morris/morris.min.js"></script>
  <!-- Pignose Calendar -->
  <script src="../../plugins/moment/moment.min.js"></script>
  <script src="../../plugins/pg-calendar/js/pignose.calendar.min.js"></script>
  <!-- ChartistJS -->
  <script src="../../plugins/chartist/js/chartist.min.js"></script>
  <script src="../../plugins/chartist-plugin-tooltips/js/chartist-plugin-tooltip.min.js"></script>

  <script src="../../js/dashboard/dashboard-1.js"></script>
</body>
</html>
```

## navbar.php

```
layout > navbar.php > html > div.header
1 <html>
2
3 <!--Nav header start-->
4 <div class="nav-header">
5     <div style="text-align: center;">
6         <div class="brand-logo">
7             <a href="../../folder-dashboard/dashboard.php">
8                 <span class="brand-title">
9                     
10                </span>
11            </a>
12        </div></div>
13    </div>
14    <!--Nav header end-->
15
16 <div class="header">
17     <div class="header-content clearfix">
18
19         <div class="nav-control">
20             <div class="hamburger">
21                 <span class="toggle-icon"><i class="icon-menu"></i></span>
22             </div>
23         </div>
24
25         <div class="header-right">
26             <ul class="clearfix">
27                 <li class="icons dropdown">
28                     <div class="user-img c-pointer position-relative" data-toggle="dropdown">
29                         <!-- <span class="activity active"></span> -->
30                         
31                             <path d="M11 6a3 3 0 1 1-6 0 3 3 0 0 1 6 0z" />
32                             <path fill-rule="evenodd" d="M0 8a8 8 0 1 1 16 0 8 8 0 0 1 0 16z" />
33                         </img>
34                         <!-- 
35                         <span class="span-name"><? echo $_SESSION['username']; ?></span>
36                     </div>
37                     <div class="drop-down dropdown-profile animated fadeIn dropdown-menu">
38                         <div class="dropdown-content-body">
39                             <ul>
40                                 <li>
41                                     <a href="../../folder-user/profile.php"><i class="icon-user"></i>
42                                     <span>Profile</span></a>
43                                 </li>
44
45                                 <hr class="my-2">
46                                 <li><a href="../../authentication/logout.php"><i class="icon-key"></i> <span>Logout</span></a>
47                                 </li>
48                             </ul>
49                         </div>
50                     </div>
51                 </li>
52             </ul>
53         </div>
54     </div>
55 </div>
56 </html>
```

## sidebar.php

```
<html>
<div class="nk-sidebar">
  <div class="nk-nav-scroll">
    <ul class="metismenu" id="menu">
      <li>
        <a href="../folder-dashboard/dashboard.php" aria-expanded="false">
          <i class="icon-speedometer menu-icon"></i><span class="nav-text">Dashboard</span>
        </a>
      </li>
      <li>
        <a href="../folder-doc/indexDoc.php" aria-expanded="false">
          <i class="icon-globe-alt menu-icon"></i><span class="nav-text">Dokumen Terkawal</span>
        </a>
      </li>
      <?php
        if($_SESSION['role'] == "Admin" || $_SESSION['role'] == "Super Admin")
        {
          ?>
          <li class="mega-menu mega-menu-sm">
            <a class="has-arrow" href="javascript:void()" aria-expanded="false">
              <i class="icon-note menu-icon"></i><span class="nav-text">Konfigurasi</span>
            </a>
            <ul aria-expanded="false">
              <li><a href="../folder-user/index.php">Pengguna</a></li>
              <li><a href="../folder-user/register.php">Tambah Pengguna Baru</a></li>
            </ul>
          </li>
          <?php } ?>
        </ul>
      </div>
    </div>
  </html>
```

home.php

```
<div class="row">
  <div class="col-lg-3 col-sm-6">
    <div class="card gradient-3">
      <div class="card-body">
        <h3 class="card-title text-white">Prosedur Kerja</h3>
        <div class="d-inline-block">
          <h2 class="text-white">4565</h2>
          <p class="text-white mb-0">Jan - Dis 2023</p>
        </div>
        <span class="float-right display-5 opacity-5"><i class="fa fa-users"></i></span>
      </div>
    </div>
  </div>
  <div class="col-lg-3 col-sm-6">
    <div class="card gradient-3">
      <div class="card-body">
        <h3 class="card-title text-white">Arahan Kerja</h3>
        <div class="d-inline-block">
          <h2 class="text-white">4565</h2>
          <p class="text-white mb-0">Jan - Dis 2023</p>
        </div>
        <span class="float-right display-5 opacity-5"><i class="fa fa-users"></i></span>
      </div>
    </div>
  </div>
  <div class="col-lg-3 col-sm-6">
    <div class="card gradient-3">
      <div class="card-body">
        <h3 class="card-title text-white">Prosedur Kerja</h3>
        <h3 class="card-title text-white">(Proses Sokongan)</h3>
        <div class="d-inline-block">
          <h2 class="text-white">4565</h2>
          <p class="text-white mb-0">Jan - Dis 2023</p>
        </div>
        <span class="float-right display-5 opacity-5"><i class="fa fa-users"></i></span>
      </div>
    </div>
  </div>
  <div class="col-lg-3 col-sm-6">
    <div class="card gradient-3">
      <div class="card-body">
        <h3 class="card-title text-white">Prosedur Kerja Selamat</h3>
        <div class="d-inline-block">
          <h2 class="text-white">4565</h2>
          <p class="text-white mb-0">Jan - Dis 2023</p>
        </div>
        <span class="float-right display-5 opacity-5"><i class="fa fa-users"></i></span>
      </div>
    </div>
  </div>
  <div class="col-lg-3 col-sm-6">
    <div class="card gradient-3">
      <div class="card-body">
        <h3 class="card-title text-white">Prosedur Kerja Selamat</h3>
        <h3 class="card-title text-white">(Proses Sokongan)</h3>
        <div class="d-inline-block">
          <h2 class="text-white">4565</h2>
          <p class="text-white mb-0">Jan - Dis 2023</p>
        </div>
        <span class="float-right display-5 opacity-5"><i class="fa fa-users"></i></span>
      </div>
    </div>
  </div>
</div>
```





## 10.0 Summary

Our Document Management System (DMS) is a software or platform designed to store, organize, and manage digital documents within an organization. It offers a range of features and benefits to streamline document-related processes and also It offers features such as document storage which provides a centralized location for storing documents electronically. It allows documents to be organized into folders or categories, making it easy to locate and retrieve files when needed. Our DMS includes features which are version control that allows users to track and manage different versions of documents. Search and retrieval, security and access control, audit trails, and integration capabilities are also parts of features for our Document Management System(DMS). A Document Management System simplifies the management of digital documents, improves collaboration, enhances security, and boosts overall productivity within organizations.