

DOCUMENT MANAGEMENT SYSTEM



SOFTWARE

1

XAMPP

Membuat Database

2

VSCODE or PYCHARM

Mengoding HTML, Python, JS,
dan CSS

3

GOOGLE CHROME

Media UI karena menggunakan
konsep Flask.Python

01

Class Diagram

02

Design

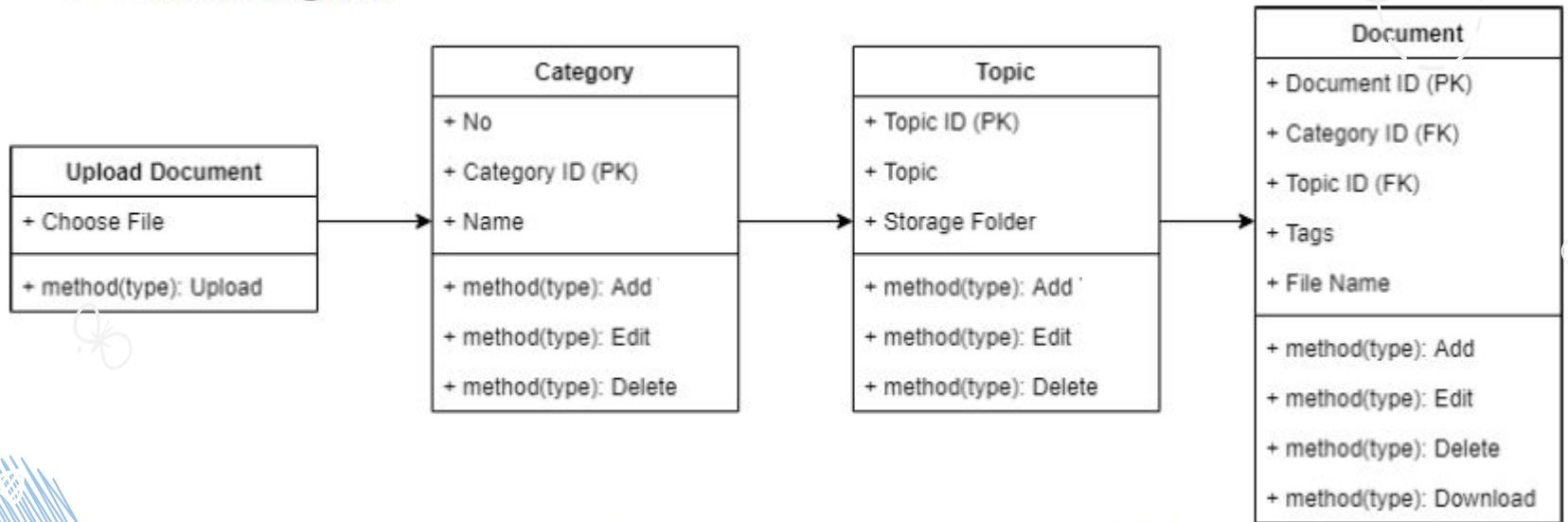


03

Source Code



➤ Class Diagram



DMS



Upload Document

Select Document

Choose File No file chosen

Select Document...

Upload

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Activate Windows
Go to Settings to activate Windows.

DMS

Tabel Category

Add Category

No	Category ID	Name	Action
1	1	Tugas	Edit Delete

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DMS



Tabel Topic

Add Topic

Topic ID	Topic	Storage Folder	Action
1	SO	TUBES/TUBES/uploads	Edit Delete

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Tabel Document

Add Document

Document ID	Category ID	Topic ID	Tags	File Name	Action
1	1	1	Laporan Tugas	119140214.pdf	Edit Delete Download

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Source Code untuk Modul



```
import os
from flask import Flask, render_template, request, redirect,
url_for, flash
from flask_mysqlldb import MySQL
from werkzeug.utils import secure_filename
```

STUDY
HARD!

Source Code untuk Mengkoneksikan Python dengan MySQL

```
app = Flask(__name__)  
app.secret_key = 'many random bytes'  
  
app.config['MYSQL_HOST'] = 'localhost'  
app.config['MYSQL_USER'] = 'root'  
app.config['MYSQL_PASSWORD'] = ''  
app.config['MYSQL_DB'] = 'document'  
  
mysql = MySQL(app)
```





Source Code untuk Delete Data

```
@app.route('/delete/<string:categoryid>', methods = ['GET'])  
  
def delete(categoryid):  
    flash("Data Berhasil Dihapus")  
    cur = mysql.connection.cursor()  
    cur.execute("DELETE FROM category WHERE Category_ID=%s", (categoryid))  
    mysql.connection.commit()  
    return redirect(url_for('Index'))
```



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Source Code untuk Update Data



```
@app.route('/update', methods=['POST', 'GET'])
def update():

    if request.method == 'POST':
        no = request.form['No']
        categoryid = request.form['Category_ID']
        name = request.form['Name']
        cur = mysql.connection.cursor()
        cur.execute("""
            UPDATE category
            SET No=%s, Name=%s
            WHERE Category_ID=%s
            """, (no, name, categoryid))
        flash("Data Berhasil Di Update")
        mysql.connection.commit()
        return redirect(url_for('Index'))
```

STUDY
HARD!

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Source Code untuk Format dan Extensions Upload Document

```
app.config["DOCUMENT_UPLOADS"] = 'TUBES/TUBES/uploads'  
app.config["ALLOWED_DOCUMENT_EXTENSIONS"] = ["PDF", "XLS", "XLSX",  
"PPT", "PPTX", "TXT", "DOC", "DOCX"]  
  
def allowed_document(filename):  
  
    return '.' in filename and filename.rsplit('.', 1)[1].upper() in  
app.config["ALLOWED_DOCUMENT_EXTENSIONS"]
```

Source Code untuk Upload File Documents

```
@app.route("/upload", methods=["GET", "POST"])
def upload_document():
    if request.method == "POST":
        if request.files:
            document = request.files["document"]
            if document.filename == "":
                print("No filename")
                return redirect(request.url)
            if allowed_document(document.filename):
                filename = secure_filename(document.filename)
                document.save(os.path.join(app.config["DOCUMENT_UPLOADS"], filename))
                print("Document saved")
                return 'file ' + filename + ' di simpan' + ' <a href="/upload">kembali</a>'
                return redirect(request.url)
            else:
                print("That file Document extension is not allowed")
                return redirect(request.url)
    return render_template("upload.html")
```

Source Code untuk Format dan Extensions Download Document



```
from flask import send_file, send_from_directory, safe_join, abort
```

```
@app.route('/download/<doc>')
```

```
def downloadFile (doc):
```

```
    path = doc
```

```
    return send_file(path, as_attachment=True)
```



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Source Code untuk Menjalankan Flask Python

```
if __name__ == "__main__":  
    app.run(debug=True)
```



STUDY
HARD!



THANK YOU