Anggota Minerva's

1
M. Asyroful Nur Maulana Yusuf

Membuat Database

Backend (Python)

2
Makruf Alkarhi

Frontend (HTML, CSS, dan JS)

3
Ahmad Adriansyah Hasibuan

Laporan dan PPT

SOFTWARE

1

XAMPP

Membuat Database

2

VSCODE or PYCHARM

Mengoding HTML, Python, JS, dan CSS
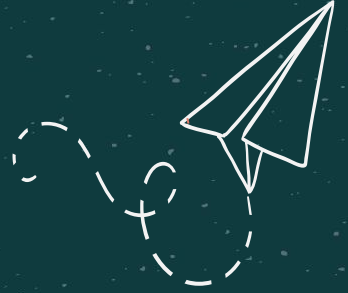
3

GOOGLE CHROME

Media UI karena menggunakan konsep Flask Python
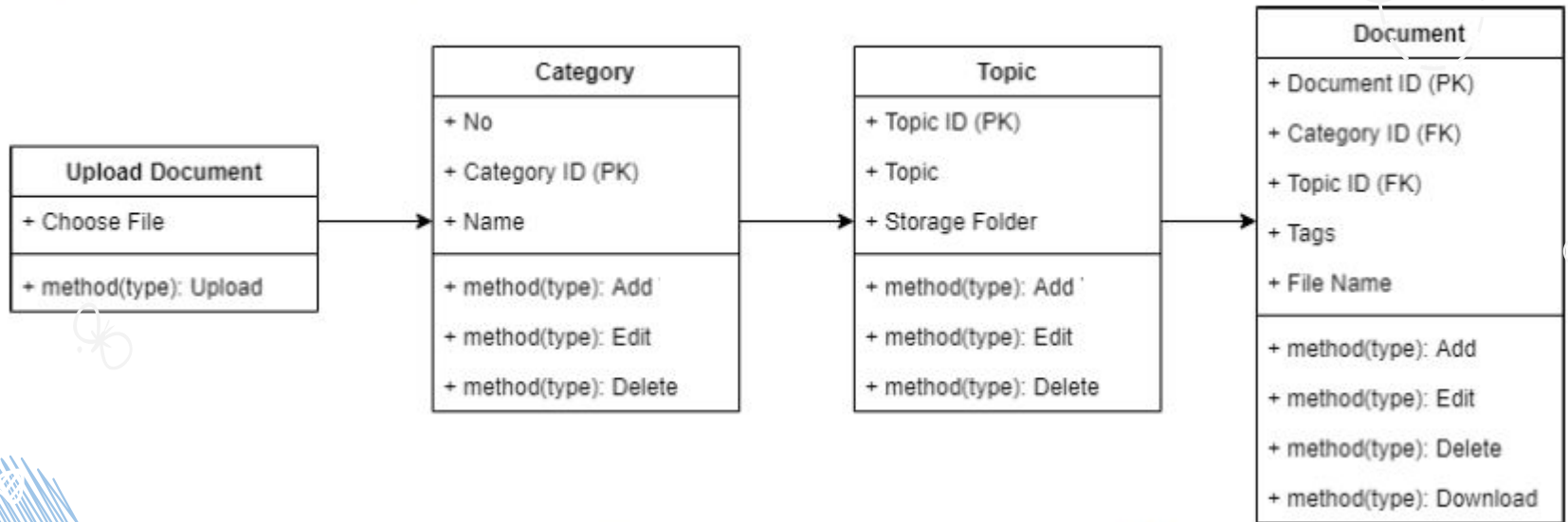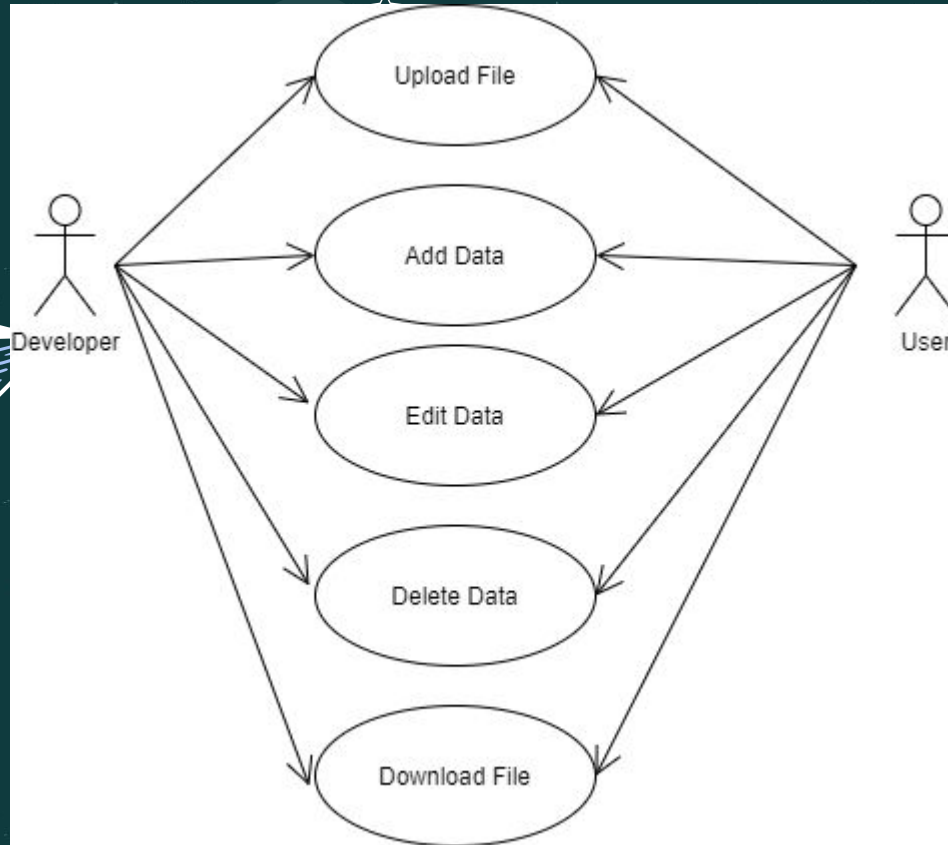
01
Class Diagram

02
Design

03
Source Code

Unified Modelling Language

Upload Document

+ Choose File

+ method(type): Upload

Category

+ No

+ Category ID (PK)

+ Name

+ method(type): Add

+ method(type): Edit

+ method(type): Delete

Topic

+ Topic ID (PK)

+ Topic

+ Storage Folder

+ method(type): Add

+ method(type): Edit

+ method(type): Delete

Document

+ Document ID (PK)

+ Category ID (FK)

+ Topic ID (FK)

+ Tags

+ File Name

+ method(type): Add

+ method(type): Edit

+ method(type): Delete

+ method(type): Download

Unified Modelling Language
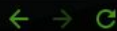
DMS

Upload Document

Select Document

Choose File | No file chosen

Select Document...

Upload

Copy right © Minerva's.

DMS

Tabel Category

Add Category

No	Category ID	Name	Action
1	1	Tugas	Edit Delete

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DMS

Tabel Topic

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

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Tabel 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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Activate Windows
Go to Settings to activate Windows.

Source Code untuk Modul

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

STUDY
HARD!

Source Code untuk Mengkoneksikan Python dengan MYSQL

```python
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 Insert Data

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


    if request.method == "POST":
        flash("Data Berhasil Ditambahkan")
        no = request.form['No']
        name = request.form['Name']
        cur = mysql.connection.cursor()
        cur.execute("INSERT INTO category (No, Name) VALUES (%s, %s)", (no, name))
        mysql.connection.commit()
        return redirect(url_for('Index'))
```

√123

STUDY
HARD!

Source Code untuk Delete Data

```python
@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'))
```

Source Code untuk Update Data

```python
@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'))
```

√123

STUDY
HARD!

Source Code untuk Format dan Extensions Upload Document

```python
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

```python
@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

```python
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)
```

Source Code untuk Menjalankan Flask Python

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

STUDY HARD!

THANK YOU