

formatty

"File Converter"

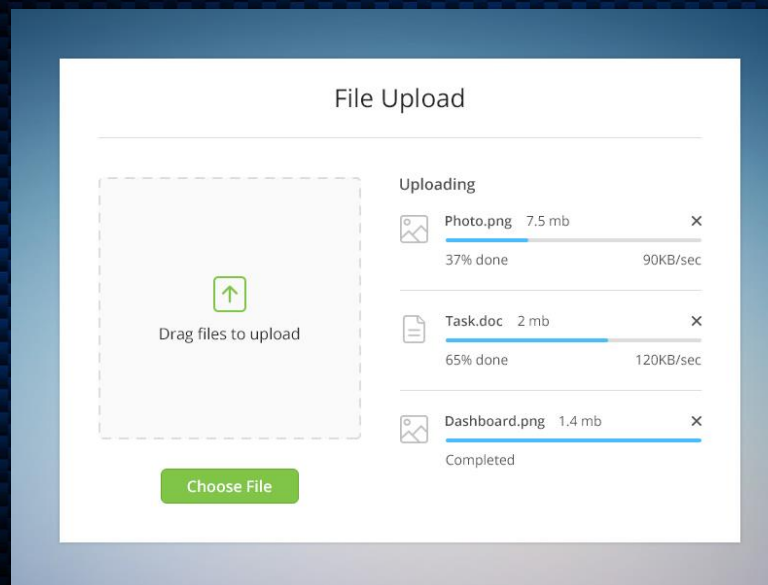
Matthew Dalby, David Devore, and Ferah Yilmaz



Formatty

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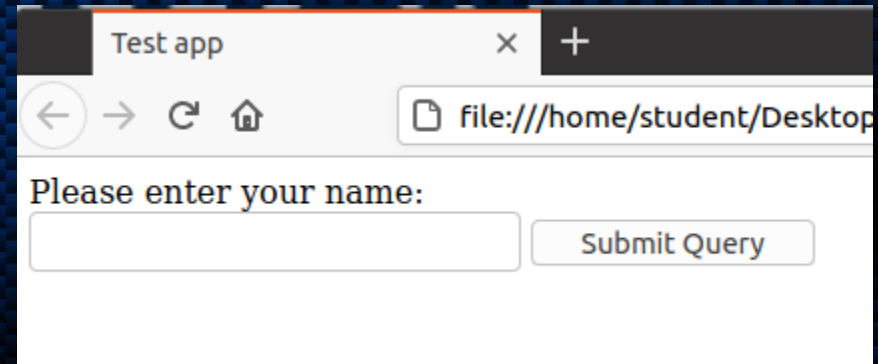
“ A tool designed to simplify the process of uploading a file. It will also simplify how that file is shared and enable the file to be downloaded in any format. ”



Front-end

“The user interface is created using html. The user will be able to enter their name. There will be an area to upload files, and another area where a user can download converted files.”

```
home (copy).html
1  <html>
2  <head>
3    <title>Test app</title>
4  </head>
5
6  <body>Please enter your name:</body>
7
8  <form method="POST">
9    <input name="text">
10   <input type="submit">
11 </form>
12
13 </html>
14
```



Back-end

“Our app is developed in Python using Flask.”

```
from flask import Flask, request, render_template
import templates

app = Flask(__name__)

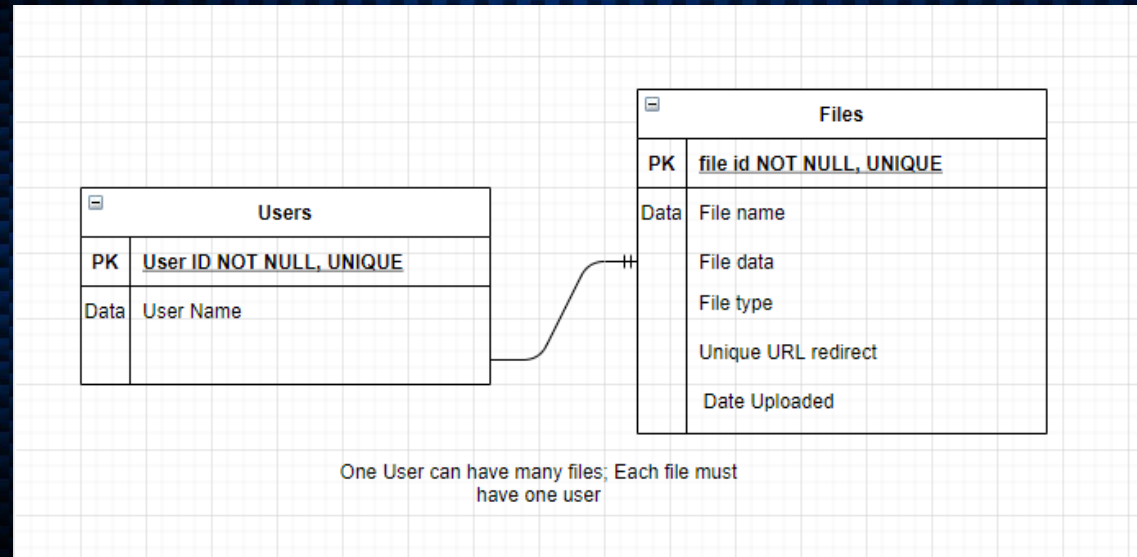
@app.route('/')
def hello_world():
    return render_template('home.html')

@app.route('/', methods=['POST'])
def say_hello():
    text = request.form['text']
    return "Hello " + text + "!"
```

```
student@tuffix-vm:~/Desktop/WebApp$ flask run
* Serving Flask app "test.py"
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

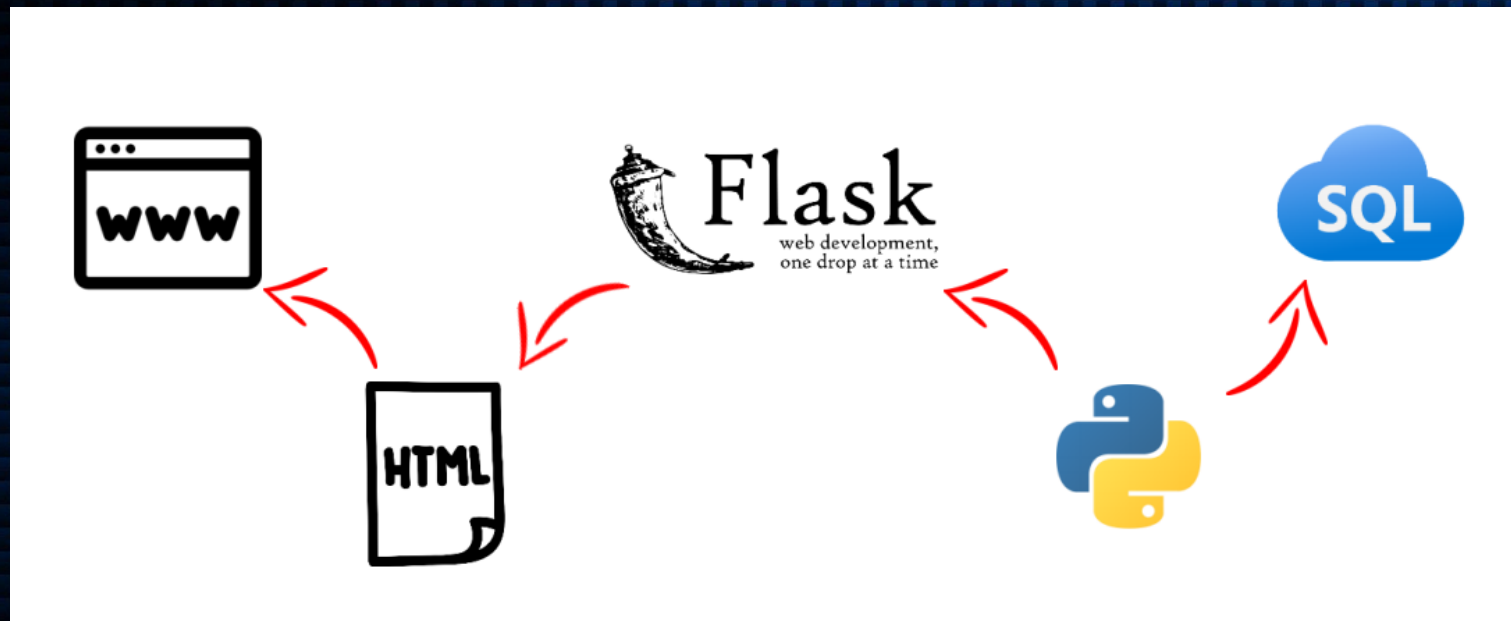

Database Schema

“ Our files will be stored in a SQL database. Each file will have it's own data stored, along with the URL that redirects to it. Users will be allowed to upload multiple files, while each file must have exactly one user. ”



Overall Design

“This picture shows how all of the pieces of our app are linked. Flask is used to output to a browser window using html. Python is used to connect to the SQL server, and to the Flask app.”



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Formatty

Upload any file!

Choose File No file chosen

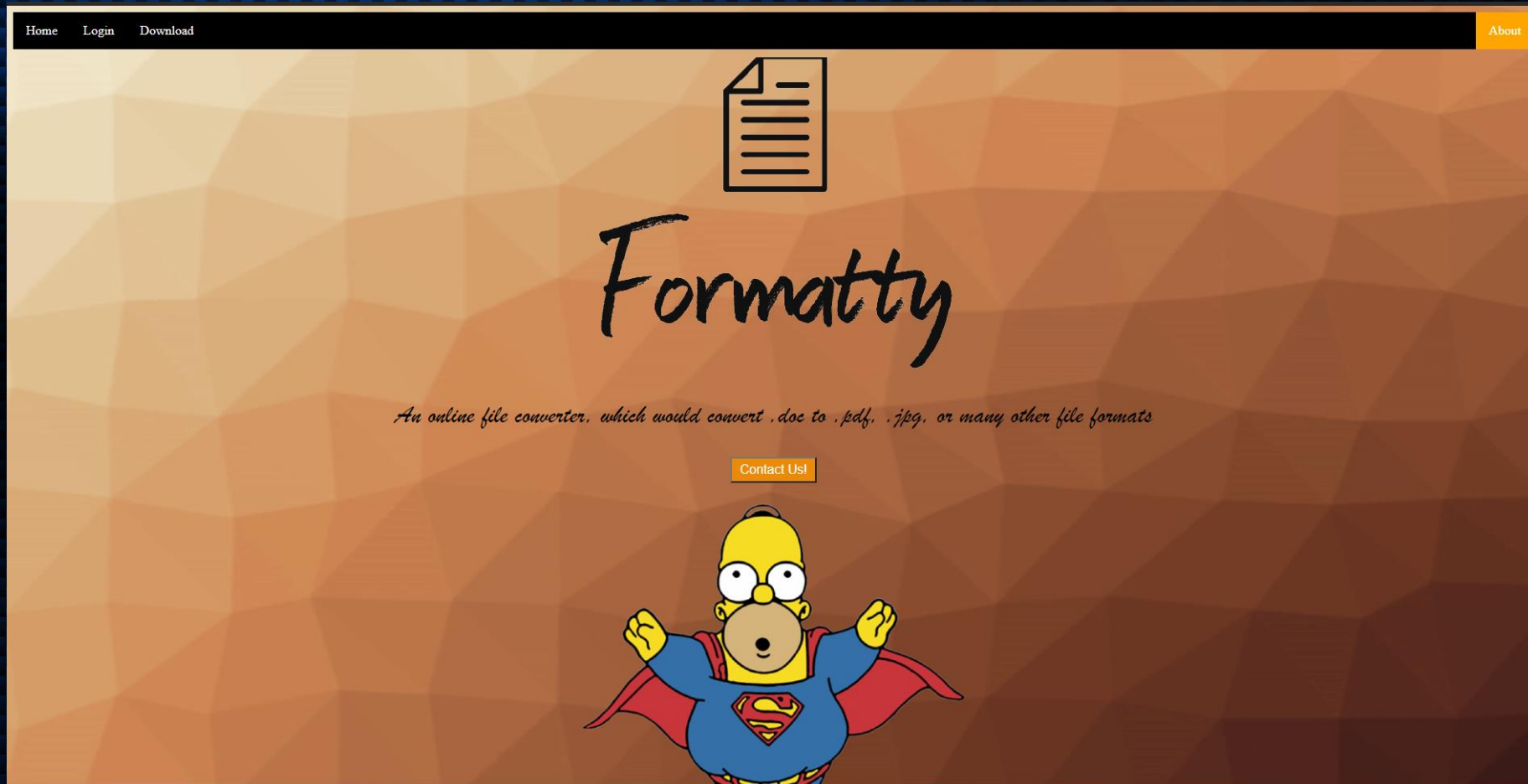
Submit

Easily upload pdf files!

After upload get your link to share

Download your files in any format!

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Log in to upload files

Username:

Password:

☐ Remember Me

Login

Sign Up!

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Download / Share your files

File Name: Presentation

File ID: 15

Link to share: <http://localhost:5000/download/15>

Download PDF

Download JPEG

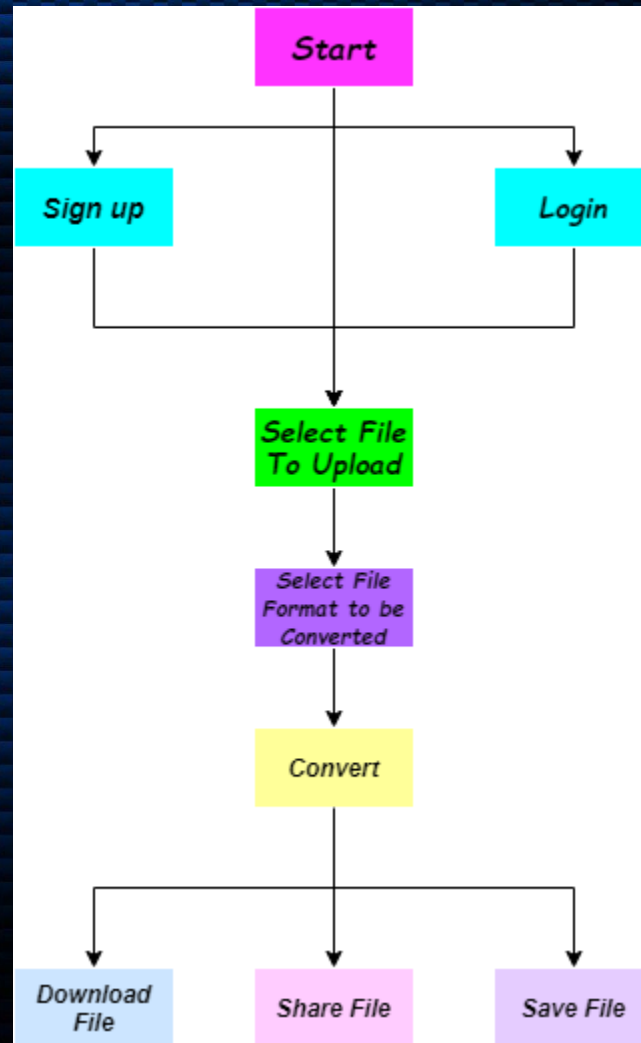
Download DOCX

Download by ID Page

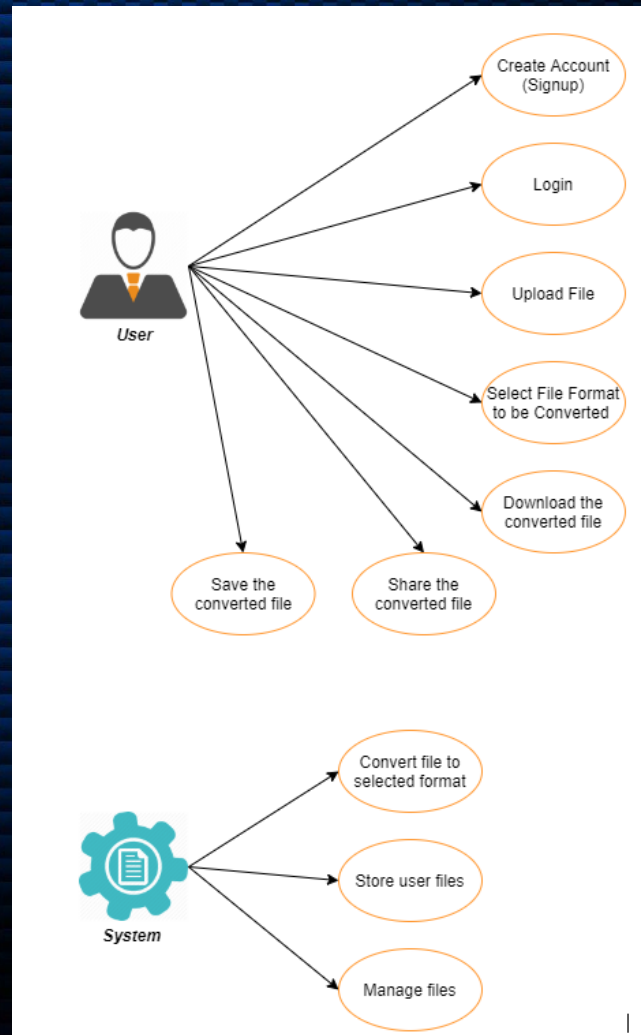
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File ID:

Activity Diagram



Use Case Diagram



CRC Diagram

Class: Directory	
Responsibilities	Collaborators
<ul style="list-style-type: none">• currentFileDirectory• saveDirectory• shareDirectory	<ul style="list-style-type: none">• File

Class: Extention	
Responsibilities	Collaborators
<ul style="list-style-type: none">• currentExtention• extentionToBeConverted	<ul style="list-style-type: none">• File

Class: File	
Responsibilities	Collaborators
<ul style="list-style-type: none">• FileName• FileSize• PageCount	<ul style="list-style-type: none">• Directory• Extension

Class: User	
Responsibilities	Collaborators
<ul style="list-style-type: none">• UserName• Password• userFiles	<ul style="list-style-type: none">• Database

Test Cases

Test Case 1

Description: Uploading a file

Precondition:

- 1) File must be pdf
- 2) User should click on the "Submit" button after uploading the file.

Step Number	Action	System Response	Requirement Tested (if applicable)
1	Uploaded pdf document	Redirected to download page / successful	Tested if the user can upload a pdf document.
2	Uploaded a file which is not accepted	Indicated that the application does not support that format	Tested if the application gives an error if user uploads a file which is not supported.

Test Case 2

Description: Downloading a file

Precondition:

- 1) User must select the file format
- 2) JPEG, Docx and pdf is allowed

Step Number	Action	System Response	Requirement Tested (if applicable)
1	Downloaded pdf document	Successful download	Tested if the user can download a pdf document
2	Downloaded docx document	Successful download	Tested if the user can upload a docx document
3	Downloaded an image (jpeg) format	Successful download	Tested if the user can upload a jpeg document
4	Share link	Successful redirect to the download page	Tested the link

Test Case 3

Description: Log in and Sign Up tested

Precondition:

- 1) Username must be unique
- 2) User must sign up first

Step Number	Action	System Response	Requirement Tested (if applicable)
1	Sign Up with username and password	Successful sign up, redirect to home page	Sign Up
2	Logged in with the credentials	Successful sign up, redirect to home page	Log In
3	Logged in without signing up	Successful response, stayed in the same page	Log in error tested

Tasks

Matthew Dalby

- Database
- Back-end (Converting formats)

David Devore

- Front-end

Ferah Yilmaz

- Diagrams / Documentation
- Back-end (Converting formats)