# formatty

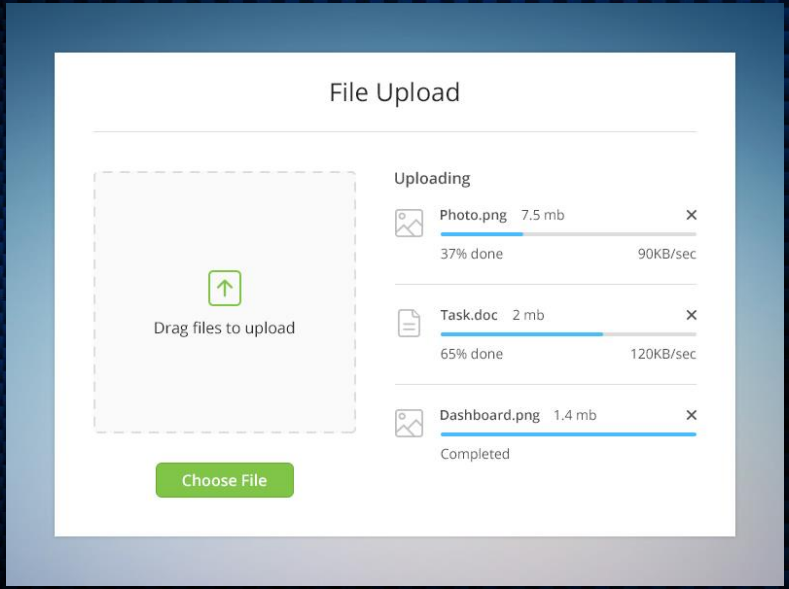
"File Converter"

*Matthew Dalby, David Devore, and Ferah Yilmaz*

Formatty

# Formatty

" 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. "

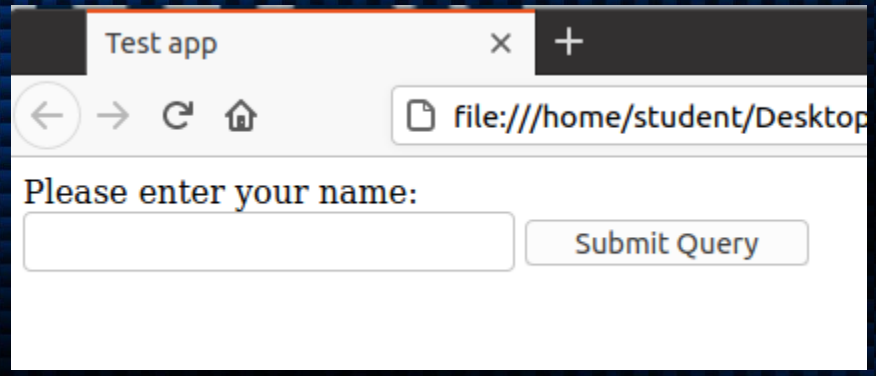


# Front-end

“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

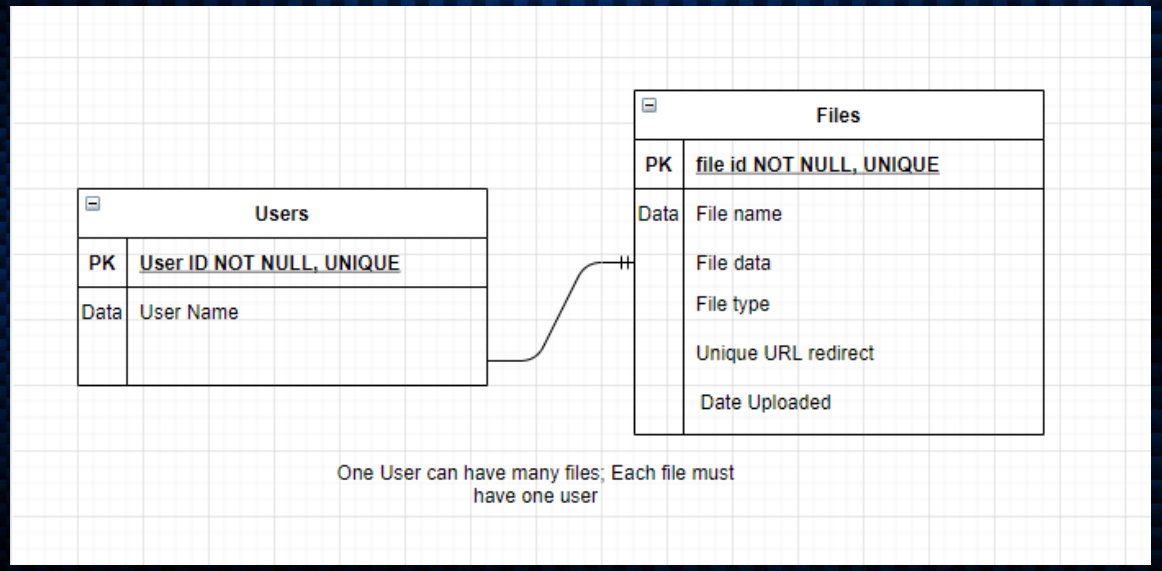
"Our app is developed in Python using Flask."

```
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)
```

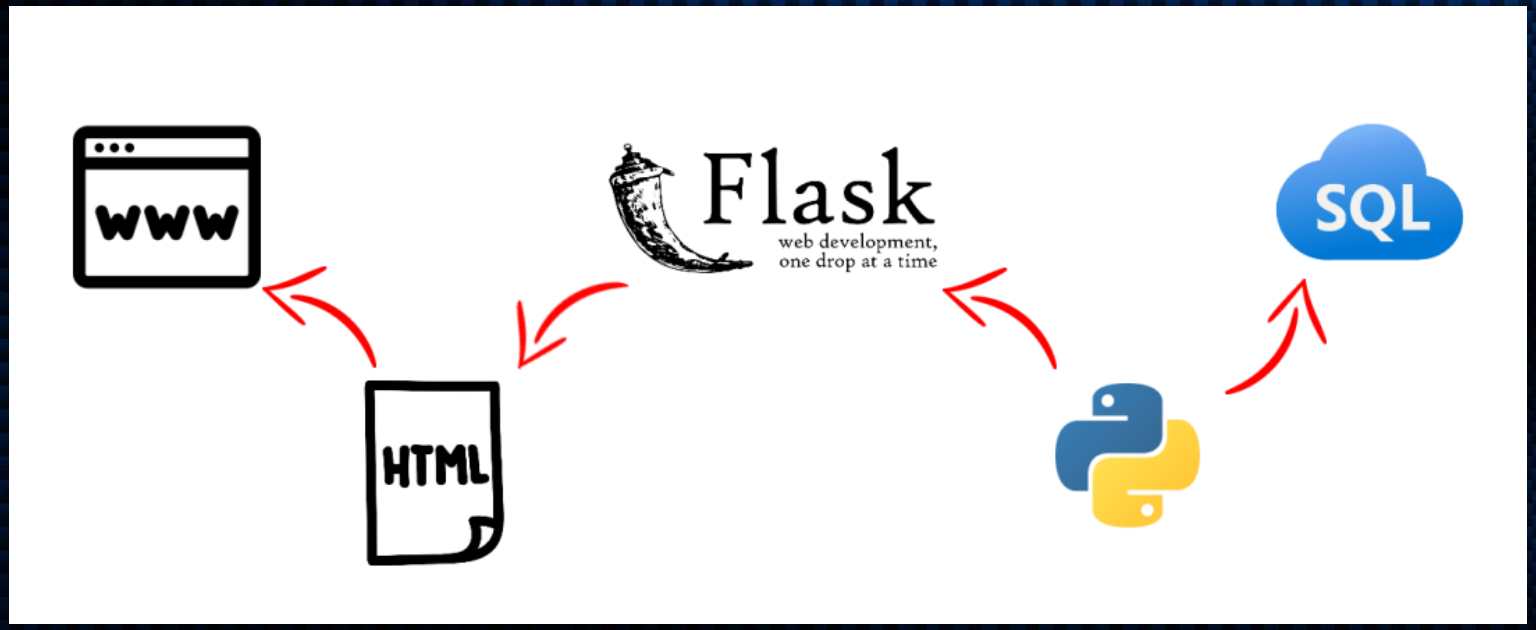
# Database Schema

“ 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

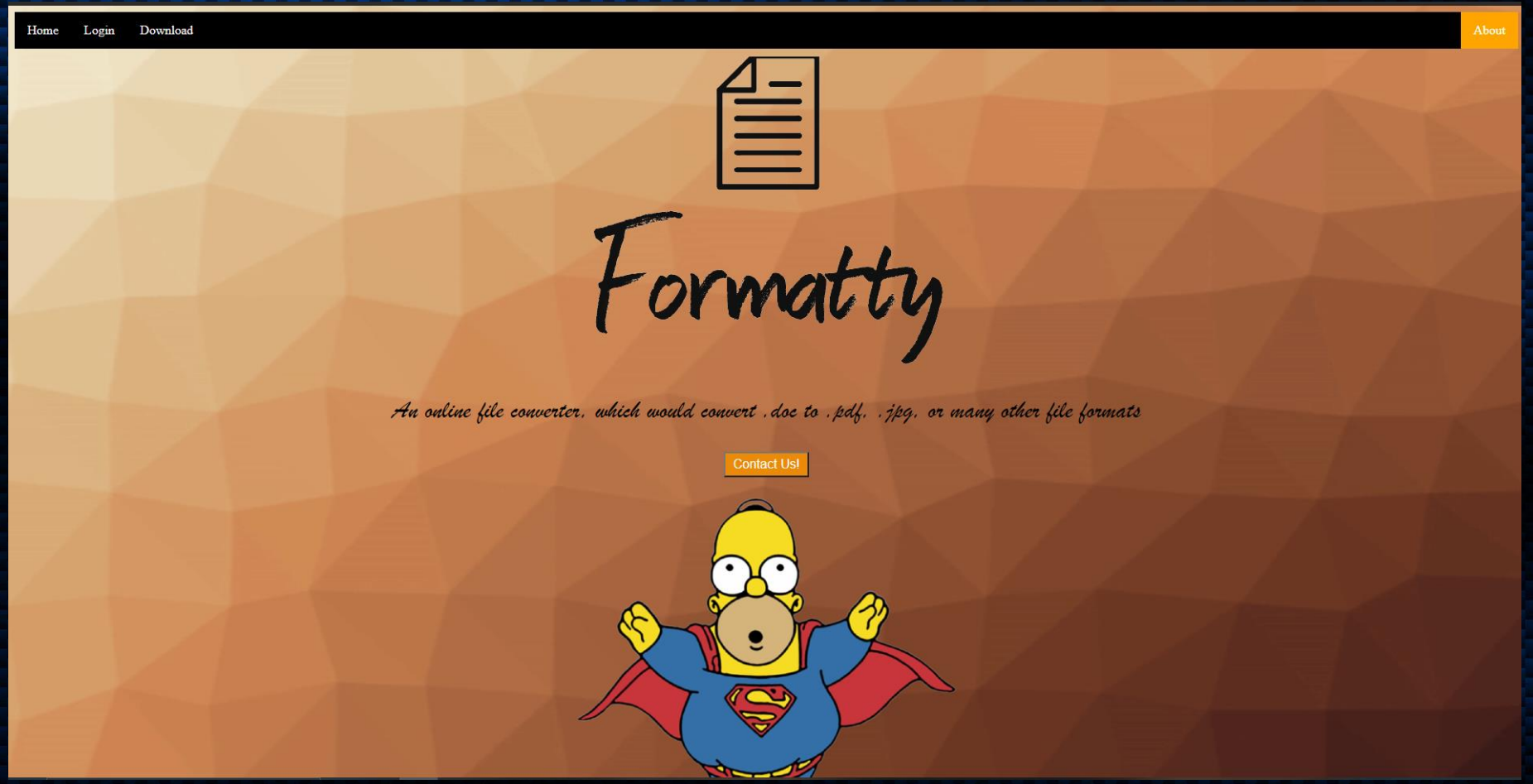
“ This picture shows how all of the pieces of our app are linked. Flask is used to output to a browser window using html. Python is used to connect to the SQL server, and to the Flask app. ”



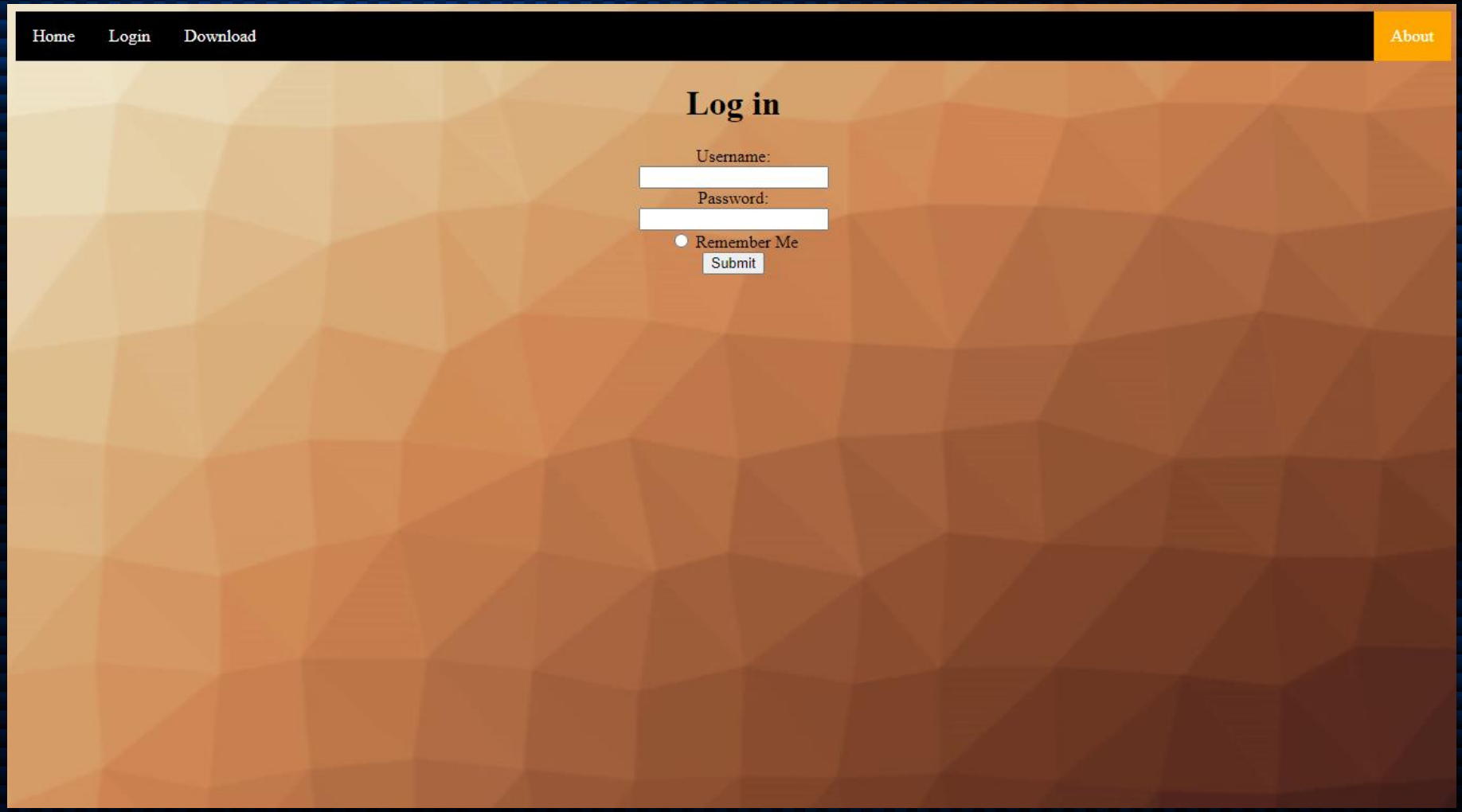
# Home Page

Home
Login
Download
About
Formatty
Easily upload any files!
After upload get your link to share
Download your files in any format!
Upload any file!
Choose File
No file chosen
Submit

# About Page

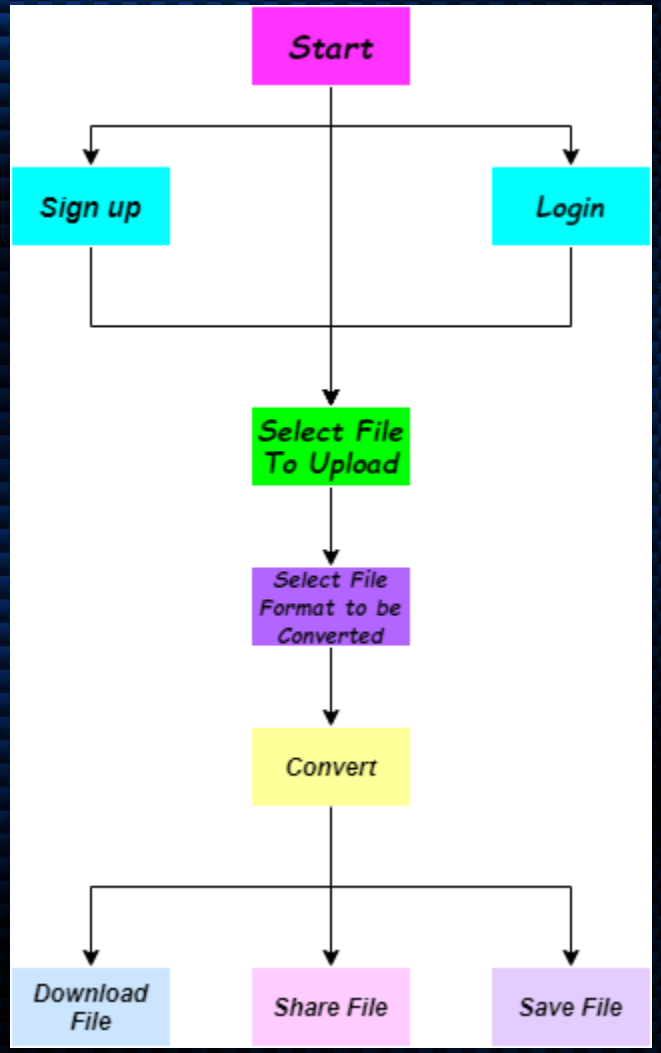

Home
Login
Download
About
Formatty
An online file converter, which would convert .doc to .pdf, .jpg, or many other file formats
Contact Us!

# Login Page

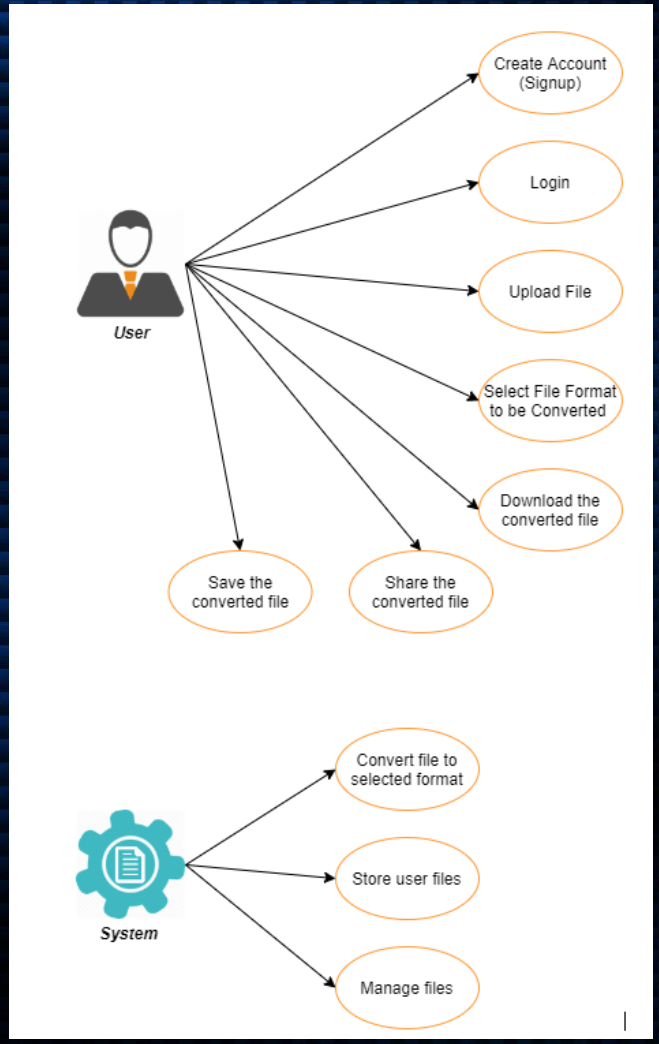

Home
Login
Download
About
Log in
Username:
Password:
Remember Me
Submit

# Download Page

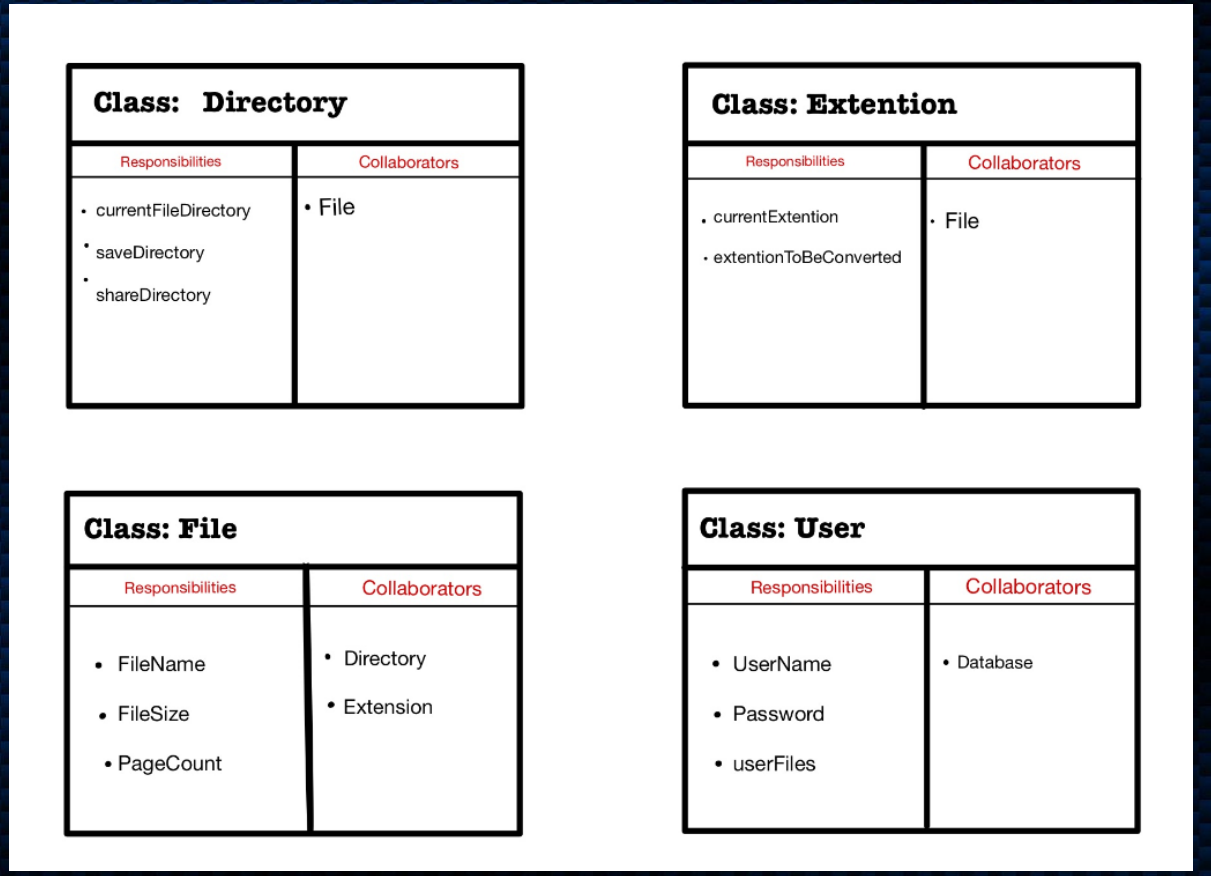
# Activity Diagram



# Use Case Diagram



# CRC Diagram


Class: Directory
Responsibilities
Collaborators
• currentFileDirectory
• saveDirectory
• shareDirectory
• File
Class: Extention
Responsibilities
Collaborators
• currentExtention
• extentionToBeConverted
• File
Class: File
Responsibilities
Collaborators
• FileName
• FileSize
• PageCount
• Directory
• Extension
Class: User
Responsibilities
Collaborators
• UserName
• Password
• userFiles
• Database

# Tasks

**Matthew Dalby**

- Database
- Back-end (Converting formats)

**David Devore**

- Front-end

**Ferah Yilmaz**

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