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| |Coursework 2 |
| SET09103, Advanced Web Technologies |
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Introduction

This report discusses the web application implemented for the coursework. It will go through the details of the design, possible enhancements that could be made to the app and an evaluation of the implementation.

The web app is called ‘Moments’ and it is a collection of images that are uploaded by a user.

In line with the module, the Flask framework, written in Python has been used to implement the application. HTML, CSS and Jinja2 are all used together within Levinux to present the application.

Design

From my ideas of the app, several designs of the interface and different pages of the app were sketched on paper, to get ideas of the possible layout and to determine the functionality that the app would have in order to include use of requests, redirects, responses, static files, templates etc, as covered in the course material.

Enhancements

There are a couple of features that were not implemented because of time constraints or because of not having the technical ability/knowledge to implement them.

The enhancements that I would make to the application are as follows:

* The intention of ‘Moments’ was to create an app that had a profile page of, and on the page would be different ‘Moments’ that the user has uploaded. This includes text posts, images and videos. I was only able to implement the image uploading, but not fully getting it on the profile page.

Critical Evaluation of Web Application

The application makes use of Flask aspects covered in the course material. It makes use of routing with each of the routes returning the appropriate responses. Templates have been used to generate HTML pages. An SQLite database has been used and Login functionality has been implemented.

The application has not been fully implemented as the images are not loaded in from the database onto an HTML page (profile) but that was the intention - Due to technical difficulties with the operating system and time constraints.

Personal Evaluation

Although the application created is not a fully functioning application I have demonstrated that I can implement a web app using Flask components that I have learned on the course. I think with good planning and enough time invested into the application, I can produce fully functioning application with advanced features.

References and Resources

<http://peterhudec.github.io/authomatic/examples/flask-simple.html>

<http://ask.xmodulo.com/install-pip-linux.html>

<https://chirale.org/2017/01/15/memory-error-on-pip-install-solved/>