REPORT

# my web-app introduction

I developed a small web app that allows users to login and have access to a music catalogue, the app contain three pages, and these are the Home page, about page and the Login page.

The home page contain few text and an image, the about page contain text telling the user what to expect from this app, the login page contain a login form that lead you to the catalogue page where the users will have access to a catalogue of music which will display recently released albums, each album will have a link once clicked it will take the users to the artist page where the user will have more details about the artist and the album, the users will only have access to the catalogue once they have entered the right details, if wrong details are enter an error will appear with a message telling the users the details are wrong and they need to try again.

At the moment the app doesn’t have a sign up form, however its will added in the future, the reason for this due to the fact that I’ve not yet gained the knowledge of working with database with python flask, in this case the database will have to be involved in storing user’s username and password and other details.

# design

The web-app was architected by using these method, users will access the web-app through the web browsers, the browser would then create HTTP request method GET to the server to request specific data and also HTTP request method POST to submits data this was done using a login form, the server would then return a HTML page to the client, this is then displayed in the users browser.

The other things I consider before when designing the web-app was the navigation, I made sure that the users were able to navigate through the pages without facing any problems, I also made sure the navigation bar was consistent through the web-app this will help the users to know where they are on the web-app.

There are a lot of feature that could be added to improve the app, firstly the sign up form is a feature that would improve the app, and this feature will allow the users to have access to more content and also allow me to engage with the users in much more effective way. The other feature that would greatly improve the app, is a search bar; feature would make the app more user-friendly and will allow the users to search for the content they want quickly.

# critical evaluation

The web-app has many flaws that could be hugely improved, the web-app has a clean layout, however it quite unorganized and lack the professional look for example and the home wouldn’t give the users the wow factor and this will likely lead to the users leaving the website, this problem could be improve by simply adding a slider or an image to the home page, for a music app it contain a lot of text that are not needed. The URLs do not really tell the users what the page they are visiting is about and that is a huge problem that could easily be solved.

The web-app also contain security and privacy problem, which is a major issue that could take time to solve. The app should contain more information about where the users can buy the albums this would things easier for the uses, the colours used on the web-app can also be a problem for some users as it could be hard to see certain things on the web-app. The colours used are a quite dull, this could be fixed by adding more lively colours and also the logo is too bland and does not stand out at all. The information is also is not on appropriate place on the pages and the home page contain a lot of content and less on the about page, one thing could resolved this problem is to add more content on the about page, one thing that can also be improve is the navigation size could be a lot bigger to make it stand a tad more.

# personal evaluation

Before I begin the development of the web-app, I set a small plan that would help me to complete the project more precisely. During the project I learned a lot of things, for example I learned how to set up a base template properly while using Jinja template which allow me to build the base of the web-app that contain all of the main elements, this elements are define by blocks, which is then filled in with contents while using a second page also none as child template. I also learned how to properly design URL using routes. I also learned how to use HTTP methods GET and POST while creating a login page as well as flash message which allows my web-app to be much more user-friendly. Overall I gain a lot of knowledge that would help in future projects.

While developing I encounter I few problems which I overcome quite easily, for example while working on the project livinux did not functioning properly at times, this means I started the project quite late however I easily overcome this problem by simply using different computer and spending more hours on the project. One of the other problem I faced at the begging of the project was setting up the project folders wrongly which led to having problems with the code, I fixed this problem by doing a little bit of research of how to set up folder properly. The main problem I encounter during this project was security problems with the login page, this means that users without the login credentials can have access to the page that required the users to login before accessing the page, I tried to fix this problem by looking at some login required decorator code however for some unknown reasons the code did not work for me although I did bit fixed this problem I willing to fixed it with more time on hand.

# summary of resource

Image - <https://play.spotify.com/album/28ZKQMoNBB0etKXZ97G2SN>

<http://www.villagevoice.com/music/the-white-album-how-bob-marley-posthumously-became-a-household-name-6604325>

<http://www.google.co.uk/imgres?imgurl=http://ecx.images-amazon.com/images/I/81ch1Foa-dL._SL1500_.jpg&imgrefurl=http://www.amazon.com/Under-Pressure-Deluxe-Edition-Explicit/dp/B00NW2ZQ66&h=1500&w=1500&tbnid=V9AlXgk_7AuWuM:&tbnh=186&tbnw=186&usg=__DSrQHAOn5xEUCQKq7BVhNovbVEY=&docid=swmE845BmVMh6M&itg=1>

<https://en.wikipedia.org/wiki/Wildheart_(album)#/media/File:Miguel_-_WILDHEART.jpg>

<https://en.wikipedia.org/wiki/Chaos_and_the_Calm#/media/File:Chaos_and_the_Calm.jpg>

<https://en.wikipedia.org/wiki/To_Pimp_a_Butterfly#/media/File:Kendrick_Lamar_-_To_Pimp_a_Butterfly.png>

Other- <http://www.lipsum.com/>

<http://jinja.pocoo.org/docs/dev/templates/#list-of-control-structures>

<http://flask.pocoo.org/docs/0.10/quickstart/>