

Tweetah Web Application

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Figure 1: Home page of my web-app. If not logged in, log in page redirects for security.

Microblog: [Home Login](#)

- Please log in to access this page.

Sign In

Username

Password

☐ Remember Me

Sign In

New User? [Click to Register!](#)

1 Introduction

This is my report for advanced web technologies coursework 2. In this project i created a web application using python flask for routing, HTML,CSS and JavaScript for everything else. Also i have used some extra packages to obtain all of the functionality of my web application. I am aiming to start my sites navigation to my home screen where the user after authenticating can navigate anywhere through the top navigation bar throughout the page. The user has the option to read a tweet of another user. It is a simple social network web application compare to other web-apps/sites in the market but it is simple, which makes it very easy for the user to find

its way around and provides decent user experience.

Figure 2: Create an account using the form below

Microblog: [Home Login](#)

Register

Username

Email

Password

Repeat Password

Register

2 Design

I created my web-app with a top navigation bar using bootstrap HTML and CSS. In addition i wanted to create a navigation bar because it visually looks nice and organized, then from a technical perspective is user friendly (straight forward) and very easy to use as everything is there laid out for the user. Also the user can easily navigate wherever using the navigation bar because there is a consistency in the design, the navigation bar is always at the top making it easy to go to any desired section from anywhere in the app. Moreover, i have also made the elements within the app to scale as the window resolution changes making it usable in smaller resolution as well. Therefore, the user has the option to access its profile and modify its personal information as desired to be presented to the other users, achieve its posts (tweets), followers and news feed (other users tweets area) and tweet or update a tweet of its own. Also using the url hierarchy the user can navigate from the url bar and only through sections of the application structure. For example if the user wants to go back to the login or want to logout, simply can do ".../login" or ".../logout" just from the url address and navigate to the views desired. Furthermore, the user can access each different profile of their followers or people they want to follow.

Figure 3: This is the news feed with the posts provided in my database from other users.

Microblog: [Home](#) [Profile](#) [Logout](#)

Hi, kostas!

John says: **Beautiful day in Portland!**


Susan says: **The Avengers movie was so cool!**

3 Enhancements

Furthermore nothing is ever perfect, so there are things that could be added to the web-app and make it a lot bigger and better in terms of design content and functionality. Firstly i will definitely need to add a lot more sections in my web-application in order to meet the standards of other social networks in the market, since tweetah has only the basic features for a social network. Additionally, i need to add a lot of styling and make my web app presentable. Also the user currently is not eligible to post and that is an enhancement for the future. Moreover i would have added also hover-effects to make a better user experience. As well as the effects that i said above i would like to make the posts presentation in the news feed in a more acceptable manner. Also i would like to add preferences for individual profile so each user can make it as desired. Live messaging feature would be a nice enhancement for the future as a Contact form so users can give feedback to the admin about web apps bugs and glitches.

Figure 4: Below we can see the profile of user account once log in.


Microblog: [Home](#) [Profile](#) [Logout](#)




User: kostas

Hello my name is Kostas, I am 172 cm high I have black hair and Athletic body

Last seen on: 2018-11-26 00:29:01.761893

 kostas says:
Test post #1

 kostas says:
Test post #2

User: kostas

Hello my name is Kostas, I am 172 cm high I have black hair and Athletic body

Last seen on: 2018-11-26 00:29:01.761893

0 followers, 0 following.

[Edit your profile](#)

4 Critical Evaluation

In comparison to the original concept i didn't do so well, although i have a working web-app with almost the basic con-

cept of a social network web-app. I was asked to implement a simple twitter clone which i attempted, and i have researched about. I admit that my web-app is not very nice visually but it has a successful account architecture with register and a persistent database. Also functionality for followers with not the best user experience. The user can modify its profile with text content to describe itself. Although i am not even close enough to web-apps like "Twitter" i went through a lot of errors and i feel a lot wiser regarding my problem solving skills and my python and flask knowledge with the client and the whole microframework.

Figure 5: Below we can see the edit option of the users profile.

Microblog: [Home](#) [Profile](#) [Logout](#)

Edit Profile

Username

About me

Hello my name is Kostas,
I am 172 cm high
I have black hair
and Athletic body

5 Personal Evaluation

In my opinion i learned lots of things from this assessment like creating an application with python flask and git hub once more. Familiarizing myself more with the client and ssh commands, also learned how difficult it is to create a web directory with so many contents with a database. Also through conflicts from my router methods i completely understood the way python works with the client side. I feel that i could add a lot more stuff in my project as detailed in the Enhancements previous section and that i could make it look at least more realistic to the working sites that are out there in the market.

References

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workbook of the module: Chapter 6 Requests Responses
Chapter 8 Flask: Configs, Sessions, Message Flashing, Logging, Testing Chapter 10 Data Storage Chapter 11 Keeping Data safe with Encryption