**CS5590 APS – Mobile application programming**

**LAB3**

**Deadline: 10/31/2018**

The following assignment focus on to make one familiar with mobile application programming basic topics

**Lab Assignment:**

**Task1:** Twitter friends visualization

1. Get the twitter friends list using Twitter API (<https://developer.twitter.com/en/docs/accounts-and-users/follow-search-get-users/overview>)
2. Visualize them through D3.JS (use appropriate visualization e.g., bubble chart)

You can use any API, need not to be Twitter.

**Task2:** Create a mobile application with the following requirements. The application should have **good UI/UX**.

1. Include features such as login, signup, and social login
2. After login, the application should display a welcome message with user details (e.g., username, gender, university, branch, profile image etc.). No limit on user details, you can use your creativity on this screen.
3. It should have logout button

**Note:** Marks will be distributed among logic, implementation, and UI

**LAB Submission Guidelines (for both In Class and Online students):**

1. LAB submission is in pairs of two students.
2. Submit your source code and documentation to GitHub and represent the work through wiki page properly (submit your screenshots as well. The screenshot should have both the code and the output)
3. Comment your code appropriately
4. Video Submission (2 – 3 min video showing the demo of the LAB, with brief voice over on the code explanation)
5. Submit **only** report at Turnitin in UMKC blackboard
6. Remember that similarity score should be less than **15%**
7. Use this link to submit your LAB#:

<https://goo.gl/forms/HShoVqcBOEyD2YOC3>

1. Report should include below details
2. Introduction
3. Objectives
4. Approaches/Methods
5. Workflow
6. Discussion
7. Conclusion

**LAB Evaluation Criteria:**

1. Report similarly score (should be less than **15%**)
2. Report Quality (e.g. report - <https://github.com/stratospark/food-101-keras>)
3. Time (should submit before due time)
4. Wiki page

**Example Reports:**

<https://github.com/stratospark/food-101-keras>

<https://github.com/matterport/Mask_RCNN>

<http://blog.stratospark.com/deep-learning-applied-food-classification-deep-learning-keras.html>

**University Policy on Student Conduct:**

Cheating, plagiarism, disruptive behavior and other forms of unacceptable conduct are subject to strong sanctions in accordance with university policy. See detailed description of university policy at the following URL: <https://catalog.umkc.edu/special-notices/academic-honesty/>

<https://www.umsystem.edu/ums/rules/collected_rules/programs/ch200/200.010_standard_of_conduct>