**ACM Android Application**

**Upper Classman Project: Spring 2019**

**Time and Place:** Tuesdays 3:00 PM – 4:20 PM TBD

**Project Managers:** Emily Pascua ([epascuacollege@gmail.com](mailto:epascuacollege@gmail.com))

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**Introduction:** This project's main goal is to transfer the current ACM website's information onto an Android application. Workshop lectures will cover the basic tools needed to succeed throughout the semester long project. Some general topics covered in the workshop will be: GitHub, Basic UI, Networking, Multiple Activities, Fragments, and Firebase.

**Requirements:** Proficiency in Java, basics of HTML & XML, and a passion to learn!

*For those who want to be part of the project but do not want to code for the second half, you can still be involved. You and your group will be responsible on working on the SRS/SRD.*

**Project Specifics - Requirements:**

Splash Screen with Logo

Navbar

Navigation Drawer

Announcements

Resources

About

Contact

Login/Logout

Push Notifications

Announcements

Home Page

ACM Objective

Latest Announcements (Top 3 from database)

Announcements (All announcements)

Resources

Internships

Hackathon News

About

ACM Objective

About ACM

Officers/Board Members

Contact

Register

Users must have *@calstatela.edu*

Login

Username/Password

Has “Not a user? Register here link”

Logged in Users

Student Users

Check into meeting (Google Maps Geolocation) - Similar to iclicker

Only use geolocation if we have additional time

Loyalty Card (?)

Chatbox (? - Optional)

Admin

Ability to create events/meetings

**Tentative Schedule – Subject to Changes:**

|  |  |  |
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| Workshop # | Topic | Date |
| 1 | Introduction (10 mins)  Program Installation  Git/GitHub  Hello World Exercise  Groups Creation (Survey of assigned groups or pick your team mates) | 1/29/2019 |
| 2 | Lecture on UI/GUI (10 mins)  Work on App  Gather updates on progress | 2/12/2019 |
| 3 | Introduction Lecture on Activities, Networking,  AsyncTask (4 mins)  Work on App  Gather updates on progress | 2/26/2019 |
| 4 | Finish Lecture on Activities, Networking,  AsyncTask(10 mins)  Work on App  Gather updates on progress | 3/12/2019 |
| 5 | Lecture on Firebase (7 mins)  Work on App  Gather updates on progress | 3/26/2019 |
| 6 | Finish lecture on Firebase (7 mins)  Work on App  Testing | 4/9/2019 |
| 7 | No Lecture  Testing | 4/23/2018 |