**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:**

1. Requirements
   1. Splash Screen with Logo
   2. Navbar
      1. Navigation Drawer
         1. Announcements
         2. Resources
         3. About
         4. Contact
      2. Login/Logout
   3. Push Notifications
      1. Announcements
   4. Home Page
      1. ACM Objective
      2. Latest Announcements (Top 3 from database)

iii. Location of Meeting via Google Maps

* 1. Announcements (All announcements)
  2. Resources
     1. Internships (<https://documentation.joinhandshake.com>)
     2. Hackathon News (<https://my.mlh.io/>)
  3. About
     1. ACM Objective
     2. About ACM

iii. Officers/Board Members

* 1. Contact
  2. Register
     1. Users must have *@calstatela.edu*
  3. Login
     1. Username/Password
     2. Has “Not a user? Register here link”
  4. Logged in Users
     1. Student Users
        1. Check into meeting (Google Maps Geolocation) - Similar to iclicker
           1. Only use geolocation if we have additional time
        2. Loyalty Card (?)
        3. Chatbox (? - Optional)
     2. Admin
        1. 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  Additional Feature Proposals  General Survey of Strengths and weaknesses  Groups Creation (Survey of assigned groups or pick your team mates) | 1/29/2019 |
| 2 | Lecture on UI/GUI (10 mins)  Tasks assigned to groups (UI)  Work on task  Updates on new features  Gather last additional features  Gather updates on progress | 2/12/2019 |
| 3 | Introduction Lecture on Activities, Networking,  AsyncTask (4 mins)  Touch-up on GUI – push final GUI changes  Additional features closed  Gather updates on progress | 2/26/2019 |
| 4 | Finish Lecture on Activities, Networking,  AsyncTask(10 mins)  Assign new tasks to groups (back-end)  Work on task  Gather updates on progress | 3/12/2019 |
| 5 | Lecture on Firebase (7 mins)  Work on tasks  Gather updates on progress | 3/26/2019 |
| 6 | Finish lecture on Firebase (7 mins)  Gather updates on progress  Work on tasks – Begin putting together app  on skeleton  Testing | 4/9/2019 |
| 7 | No Lecture  Gather updates on progress  Work on tasks – Begin putting together app  on skeleton  Testing | 4/23/2018 |