Mobile Application Development

Team Project

Fall 2015- COP 4655 U1

T/R 5:00pm – ECS 135

Steve Luis

Team Project

- Build an application for a Cause, Community or Company

- Your app should demonstrate the following features:
  - Acquire data from user
  - Validate data input
  - CRUD: Create, Read, Update, and Delete
  - Analyze/Process
  - Report

Team Project Preparation:

- Identify potential clients you can work with now.
- Think of an app that would be helpful for their workflow
- Contact them to determine interest.
- Client commits to:
  - Provide requirements for your "proof of concept" app
  - Review your app when it is done on camera
  - Complete a short questionnaire I will give them.

Requirements

- Must:
  - List data and allow detail views using multiple controllers/views
  - Persistence: preserve application state
  - Use a built-in device/sensor: Camera, accelerometer, etc.
  - Core Data or SQLite
  - Search feature

- Can incorporate any open source libraries to simplify your work.

- Release code as open source in Github account: Choose an appropriate open source license:

    http://creativecommons.org/choose/

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Deliverable 1: Presentation

- Provide:
  - Project description and license selection
  - 3-5 use cases which describes how a user will interact with the application.
  - Show the workflow and behavior of your app using mockups.
  - An email (work address) from your "client" to me agreeing to provide feedback on the project.
    - Name, title, company/org, phone number.
  - Limit presentations to 5 mins (split between team members, 1min min. each) and 4 mins Q/A.
- Deliverable 1 will be reviewed and once accepted you can begin developing.

Deliverable 2

- The completed application you will show at a demo – each student on team needs to be able to walkthru features and code they implemented.

- Submit a copy of code .zip, and code uploaded to public github account.

- A class diagram documenting the classes developed

- A checklist of how it meets features and requirements.

- A short video demonstrating the application features to your client and client responses to questionnaire.

- Code Classes/Methods well documented to show purpose.

Extra Credit

- Use a free API service to read and/or write data, eg.: Twitter, Gdrive or other see: programmableweb.com

- Use system mail api or other external api to transmit/receive data.

- Student who implements receives the credit, each student can add an API support.

Team Project Dates

- Tues. Oct. 6th: Team Project Announced
- Tues. Nov. 3rd: Teams Announced
- Mon. Nov. 9th: Deliverable 1 due
- Tues. Nov. 10th: Team Presentations
- Tues. Nov. 17th: Revised Deliverable 1 due
- Thurs. Dec. 10th : Team Project Demos
  – Make 1 hr. appt.
  – Schedule your video recorded client demo beforehand.
  – All deliverables due, including iPads.
- Fri. Dec. 11th: Client Surveys Due

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Participation

- Keep a log of your meeting dates, who attended and work assigned.

- Students who miss meetings and do not participate should be reported immediately

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Team Assignments

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