Please prepare a 5-minute presentation for your project proposal. In this presentation, you should address the following questions:

• **System/Team Title**
  - Select a name/title for your team/system
    - Droid Tech App.
    - Team Name = Team Droid

• **System Objectives**
  - What is the focus area of your system?
    - Data management and retrieval.
  - What problem(s) will your system solve?
    - Remote information access for the computer tech industry. This app will allow the tech to be able to access history and current trouble tickets involving specific machines. It will also allow the tech to update machine status’ and deal with tickets.

• **Target Users**
  - What are your target users in terms of age, gender, disability, etc?
    - Our target user is computer Tech’s who manage and maintain computer labs or multiple computer systems.
    - These users will also be the ones who do on site maintenance and repairs.

• **Architecture**
  - What hardware/software components will your system have?
    - The system will have a XML front end, using Java to handle information / backend. It will also use an SQLite database on the droid phone itself to hold information.
    - The system will use a program to parse text documents for the ticket information on the computer. Also it will parse text documents that will contain the information about the computers to populate the database.
    - Further more the mobile devices will have to be running a version of android that supports Android 2.1
  - How will these components be connected to each other?
    - The Android device will use sqlite, xml and java to control the GUI / information stored.
    - It will use the USB connection to get updated text documents from a main computer that have information about new tickets / requests / computer history changes.

• **Resources**
  - What are your available resources in terms of
    - the set of skills in your team,
      - Jason Brown:
        - Previous Android programming experience
- Knowledge in SQLite, XML, Java
- Team leading experience

- Nathan Swisher:
  - Knowledge of Java (Data Structures specifically)
  - Good management of notes

- Stephan Ebert
  - Java
  - Focus on Data Structures

- Jacob Harbin
  - Java
  - Desire to learn SQLite

- the amount of time you can spend on this project,
  - Jason Brown – 6-10 hours
  - Nathan Swisher – 6-12 hours
  - Stephan Ebert – 6+
  - Jacob Harbin - 6+

- the hardware/software resources that are available to you?
  - Android Phone
  - Lab computers
  - Group email list
  - Shared drive space
  - Personal computers

- Any other resources?
  - Learning Center – Help with code issues
  - Google – Help with anything
  - Mt. Dew / Dr. Pepper

- Crosscutting Concerns
  - What sort of non-functional concerns will you capture in your system?
    - For example, will your system tolerate faults/failures? what kinds of failures will your system tolerate? What will your system do in the presence of those faults/failures?
    - Our system will be able to handle database failures. Both update and recovery.
      - If the update to the database fails, the database will revert the changes and produce a message saying the update failed and a retry option.
      - If the database needs to be recovered it can be recovered from a once a day backup file that will be created upon first daily access of the app.
    - If the over-all App fails, the database will revert to last committed information on next restart.
      - A current changes backup file that maintains current yet uncommitted changes.

- Another example could be security aspects such as secrecy, privacy, authentication, authorization, anonymity, etc.
  - Security – Create a login for the app so that only a Tech with permissions can access the application.
  - Encrypted backup / database files on droid

- System functionalities in a broad sense
  - What services will your system provide?
Our program will provide a mobile information management system that is designed to make it easy for a Computer tech to look up, deal with, and report on trouble tickets for computers under that techs controls.

- What services your system will NOT provide?
  - It will not be a general database management system for anyone to use. It will be specifically designed and geared towards a computer techs needs and wants.