Project 3 Proposal – CS 8803

***Team Name*:** Lost & Found

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Project Description:

If you are a student, did you left your key in the classroom? Did you forget to plug out USB driver in the computer lab? If you are not lucky enough to remember where you left it, you have to look for it everywhere.

If you are an administrator of library, you may collect hundreds of USB drivers in one week, however, you don't know how to contact with the owners.

In this project, we plan to build a native Android application for the Lost & Found. This application will allow administrator to enter the items they found in the building, including found date, time, item description, and the pick up location. On the other hand, students could search their lost items by lost location or lost date. We believe that this application should be great helpful for Georgia Tech Community.

For the technical part, we will use Android SDK to develop the front-end. For the back-end part, we plan to use SQLite inside the Android to build database.

For future improvements, we will build the database on some server, which is independent of Android. And use web development technique to connect the database with Android. Also, we plan to display the item pictures on the mobile, which would be more convenient for the owner to recognize the lost items.

References:

Programming:

Java, Android SDK, SQLite

Deliverables:

- Source code for application , including all the Java, SQL source code.
- Demo to the RAs of the application working an a handset
- Documentation:
  - our application architecture
  - some possible improvements for our application. Since our application is a prototype, we will include all the suggestions for further development.
  - interaction with dependent services
  - Problem areas and how the team overcame them . So far, our main problem is how to use database in Android, we will show how we overcome it in our final documentation.
- Short (4 minute) video presentation that includes (at a minimum) the problem, solution architecture and demonstration