

## Computer Networks Term Project

Title: Airpic

Abstract: This project will be written for the Android platform by Google on the G1 hardware by HTC. I have no previous experience coding for Android. I also have no previous experience programming in Java so there will be a bit of a learning curve. The project will consist of writing an application that will allow a user to take a picture with the built in camera of the G1 and as soon as the photograph is taken it will name the photograph with a timestamp given by the camera. It will then begin uploading the picture to a website. Currently I am thinking that I will use my own server to accept the photographs. However, if this project continues on past this class I would like to integrate it with Amazon S3. The file will be named with the timestamp from the photo and displayed on the webpage in a thumbnail fashion. 3x3 pages will be used to display the photographs and as soon as a tenth photo is uploaded a second page will be created. The photos will be displayed on the page in chronological order from most recent to oldest photo taken. For the website I believe that I will either use Perl or PHP. In order to display the photos I could parse a folder or I could keep an SQLite database of them. Development will be done using a Git repository so that I may develop on multiple computers.

Sites that I plan to use for reference:

<http://developer.android.com/>

<http://anddev.org/>

<http://androidforums.com/android-developers/>

<http://www.talkandroid.com/android-forums/android-development/>

<http://java.sun.com/docs/books/tutorial/>