Team Information: Michael Catlin, mcatlin@sfu.ca

Project: Photo Album
October 30, 2005

Tentative Schedule:
Week 1 (October 21 – 30): Install and setup server and install database
Week 2 (October 31 – November 6): build/fill data structure in database (454 midterm)
Week 3 (November 7 – 13): build asp webpage
Week 4 (November 14 – 20): test/update/modify/improvements
Week 5 (November 21 – 27): improvements

What to do: Design a web based server side photo album capable of displaying user photos stored on the server to other users, who are using a web browser on the internet.
   To start, the database and all picture attributes will be hand entered in SQL using the SQL enterprise manager administrator program.
   All pictures will be copied to the appropriate directory, to match the pathname as described in the SQL server (all done as administrator on the server)

Possible improvements (if time):
   1) Web administration interface: upload pictures, build database (authenticated)
   2) Search – automatically displays all pictures that match search query
   3) Stats tracker – views per pictures, length of time per picture, IP, …
   4) E-mail subscriber list – automatic e-mail message on site updates
   5) Default page – random collage of pictures

How to do it:
Microsoft’s ASP.net technology, for the web pages
   DataGrid control with server side script to display pictures
   Read picture data from SQL server (pathname, name, comment, other)

Microsoft’s SQL 2000 (MSDE), for the database
   Store picture data:
      pathname
      picture name
      comment
      other – if time
   Stats (if time)
   E-mail subscriber list (if time)
   Stored procedure algorithm to generate random selection of pictures (if time)

Windows XP as the platform
   running on a dedicated AMD K7-700MHz, 512Mb ram (expandable if required)

How to test and demonstrate: At a set time, open a port on my home firewall giving users on the internet, access to my web server and demonstrate the operation as described above at SFU.