**Assignment 1**

**Objective:** Learn about Direct Manipulation

The characteristics of direct manipulation include visibility of objects, incremental action, rapid feedback, reversibility, exploration, syntactic correctness of all actions and replacing language with actions. For each characteristic consider and discuss an example task performed with modern GUIs. Contrast the task with the same task as performed in a command-line environment such as Unix, Linux bash, Windows Command line or DOS. Submit a one-page document with the (single-spaced), font 11.

For this assignment read the paper “Direct Manipulation: A Step Beyond Programming Languages” by B. Schneiderman (available in CougarView).