OpenDrop

OpenDrop is a synchronizer application of a local cabinet with a remote cabinet data base where the user information is stored.

The application consists of two elements
- The client
- The server

The client
- Inputs
  - working directory : Directory to be monitored
  - Username and Password
  - remote server information
  - scan interval (k)
- Functions
  - Scan working directory for changes with a given interval k
    - Valid types of changes:
    - New files added
    - Removed files
    - Files changed
  - Store current changes
    - How to store information?
    - Directly save objects of file disks
    - Connection to a data base

The client scenarios
- Basic case
  - User starts session
    - Loads information from remote cabinet
    - Download the remote content
  - Start monitoring working directory
    - if a change is detected synchronize remotely with the server

Notes:
Consider in which cases we could get a deadlock or how many processes do we need to handle the current monitoring synchronize actions with the client.