```
index.js
                                                                                                   login.js
                                                                        email_input : Object
current_file_data :Array
current_path : String
                                                                        password_input : Object
                                                                        reg_email_input : Object
current_upload_path_local: String
array_of_crumbs : Array
                                                                        reg_pass_input_1: Object
current_breadcrumb_path: String
                                                                        reg_pass_input_2 : Object
current_breadcrumb_parents : Number
current_path_sections: Number
                                                                        doLogin(String : email, String : pass)
elementsRemoved: Number
                                                                        registerUser()
bannerWidth: Number
numOfTabs: Number
prevNumOfTabs: Number
files_div: Object
                                                                                                                                                           UserAuthentication.js
                                                                                                         SessionManager.js
selected_index : Number
                                                                                                connection: Object
                                                                                                                                               connection: Object
populateDirectoryListing(String : path)
                                                                                                                                               mongo_url: String
populateBreadcrumbs(String : path)
                                                                                                                                               sessions: Object
                                                                                                getRandomString(String : length)
populateSidebar(Number : index)
                                                                                                validateSession(String : session_id)
showSidebar(Number : index)
                                                                                                createSession(String : user_id)
                                                                                                                                               authenticate(String : email, String : password)
hideSidebar()
                                                                                                refreshSession(String: session id)
                                                                                                                                               createUser(String : email, String : password)
deleteItem()
                                                                                                logout(String : session_id)
download()
showEditFileName(String : status)
editFileName()
createDirectory()
                                                                                                                   connection.js
                                                                                                                                                               authenticate.js
refreshData()
checkInvalidSession(Object : data)
                                                                                                               connection: Object
                                                                                                                                               connection: Object
setCurrentPath(String : new path)
                                                                                                               port : Number
                                                                                                                                               mongo_url: String
setCurrentUploadPathLocal(String: new_path, Array: paths)
                                                                                                               url: String
                                                                                                                                               user_auth: UserAuthentication
doLogout()
shareItem()
                                                                                                                                               initiateLogin(String : email, String : pass)
calculateBreadCrumbSize(Number: offset)
                                                                                                                                               checkLogin()
checkOverflow()
                                                                                                                                               logout()
drag(Event : ev)
                                                                                                                                               register(String : email, String : pass)
drop(Event : ev)
allowDrop(Event : ev)
                                                                                                       fileInteraction.js
                                                                        connection: Object
                                                                        mongo_url: String
                                                                        session_mgr : SessionManager
                                                                        client_user : String
                                                                        getUserInfoByEmail(String: email)
                                                                        getUserInfoById(String : user_id)
                                                                        createIfNoSharedDir(Object : db, String : user_id)
                                                                        shareFileTo(String : share_user, Object : file_info)
                                                                        shareDirectoryTo(String: share user, Object: subdirectory)
                                                                        getRootDirectory()
                                                                        getSubDirectory(String : subdirectory)
                                                                        uploadFile(Object : input_upload_file, String : moveto_path)
                                                                        createDirectory(String: enclosing_path, String : directory_name, String : user)
                                                                        deleteFile(String : file_id)
                                                                        deleteDirectory(Object : subdirectory)
                                                                        downloadFile(Object : file_object)
```

downloadDirectory(Array : subdirectory) moveFiles(Array : source_ids, Array : paths)

purgeUploadDirectory()
purgeDownloadDirectory()

isInDirectory(String : path, String : file_name)

changeName(Array: ids, Array: paths, String: new_name)