



Authentication
authenticate(username,password):Boolean setTarget(DBpath):void

Login
isActive():Boolean login(username,password):Boolean logout():void

Register
register(username,password):Boolean

User
getProfile():Profile getAccount():Account getUsername():String getUserID():String isActive:Boolean getRandomLocation():String

Profile
displayAll():void getAttribute():Attribute editAttribute(attribute_name):void getPicture():Picture saveAll():Boolean

Attribute
getUserValue():String getPrefValue():String getName():String setUserValue(value):void setPrefValue(value):void setName(name):void

Picture
getPath():String setPath(path):void

MatchSystem
getMatchHistory():MatchList getMutualMatches():MatchList createMatch():Boolean getMatches():ProfileList

MatchList
addMatch():Boolean getNextMatch():Match getMatch(index):Match

Match
getProfile():Profile getMatchDate():Date getUserID():String

ProfileList
addProfile():Boolean getNextProfile():Profile getProfile(index):Profile getProfile(user_id):Profile

Profile
displayAll():void getAttribute():Attribute editAttribute(attribute_name):void getPicture():Picture saveAll():Boolean

Filter
editFilterSetting(field,value):void filterProfiles(ProfileList):ProfileList

FilterSetting
getName():String getValue():String compare(Attribute):Boolean

Location
getDistance(city1,city2):Integer

DataStore
setPath(path):void getPath():String openDB():Boolean closeDB():Boolean setDataEntry(selector,value,field,value):Boolean getDataEntryList(field,value):DataEntryList

DataEntryList
getNextEntry():DataEntry currentEntry():DataEntry

DataEntry
getByField(field):String setByField(field,value):void