|  |
| --- |
| Account |
| userName: String  password: String  activity: String  age: int  gender: String  devices: ArrayList  activities: ArrayList  friends: ArrayList |
| getUserName();String  setUserName(String);  getPassword();String  setPassword(String);  getAge(); int  setAge(int);  getGender();String  setGender(String);  getFriends(); ArrayList  addFriend(Account);  removeFriend(Account);  addDevice(device);  getActivities();ArrayList |

|  |
| --- |
| Model |
| Activtylist: List <ActivityData>  Accountlist: List <Account>  activeUser: Account |
| createAccount();  removeAccount();  accountLogin();  accountLogout();  getData();  saveData();  createDevice()  importDevice();  durationSort();  distanceSort(); |

|  |
| --- |
| Device |
| Directory: String;  name: String  activities: List  source: File |
| addActivity();  getActivities(); List  setActivities(); List |

|  |
| --- |
| Activity |
| type: double  duration: double  distance:double  pace: double  calories: double  altGained: double  altLost: double  date: Date |
| getDataPoints(device);  setDuration(double);  setAltGained(double);  setAltLost();  setCalories(double);  setAverageSpeed(double);  setPace(double);  setDistance(double);  getDuration(); double  getAltGained (); double  getAltLost(); double  getCalories(); double  getAverageSpeed(); double  getPace(); double  getDistance(); double  getDate(); Date |

|  |
| --- |
| Friends |
|  |
| ViewFriendActivitiy(Account);Activitity  ViewFriendAge(Account);int  ViewFriendGender(Account);String  ViewFriendName(Account);String |