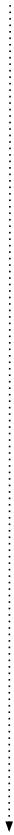


```
User
- pw:String
- profile: Profile
-accountType:String
-userName:String
+getUserNames():String
+getAccountType():String
+getPassWord():String
+getProfile():Profile
+setUserName(userName:String):Void
+setAccountType(type:String):Void
+setPassWord(pw:String):Void
+setProfile(profile: Profile):Void
+createWaterAvaiReport(type:Type, location:String):Pin
+viewWaterAvaiReports():List<Report>
+viewWaterSourceReport():List<Report>
```

```
Administrator
- pw:String
-accountType:String
-userName:String
+ deleteAccount(user:User): User
+ banUserSubmit(user:User): User
+ unblockAccount(user:User): User
+ viewSecuritylog(): File
```

```
Profile
- firstName: String
- lastName: String
- emailAddress: String
- ID: String
- homeAddress: String
- birthday: Date
+ setFirstName(firstName:String):void
+ setLastName(lastName:String):void
+ setEmailAddress(emailao:String):void
+ setID(ID:String):void
+ setHomeAddress(address:String):void
+ setBirthday(birthday:Date):void
+ getFirstName():String
+ getLastName():String
+ getEmailAddress():String
+ getID():String
+ getHomeAddress():String
+ getBirthday():Date
```



```
Worker
- pw:String
- profile: Profile
-accountType:String
-userName:String
+getUserNames():String
+getAccountType():String
+getPassWord():String
+getProfile():Profile
+setUserName(userName:String):Void
+setAccountType(type:String):Void
+setPassWord(pw:String):Void
+setProfile(profile: Profile):Void
+createWaterAvaiReport(type:Type, location:String):Pin
+viewWaterAvaiReports():List<Report>
+viewWaterSourceReport():List<Report>
+createWaterPuriReport(condition:Condition, virusPPM:int, ContaminantPPM:int, location:String):Void
+viewWaterAvaiReports():List<Report>
+viewWaterSourceReport():List<Report>
```



```
Manager
- pw:String
- profile: Profile
-accountType:String
-userName:String
+getUserNames():String
+getAccountType():String
+getPassWord():String
+getProfile():Profile
+setUserName(userName:String):Void
+setAccountType(type:String):Void
+setPassWord(pw:String):Void
+setProfile(profile: Profile):Void
+createWaterAvaiReport(type:Type, location:String):Pin
+viewWaterAvaiReports():List<Report>
+viewWaterSourceReport():List<Report>
+createWaterPuriReport(condition:Condition, virusPPM:int, ContaminantPPM:int, location:String):Void
+viewWaterAvaiReports():List<Report>
+viewWaterSourceReport():List<Report>
+viewHisReport(location:String, historyType:HistoryType, year:int):List<Report>
+viewWaterPurity():List<Report>
+deleteReport(report: Report):Report
```