

Class FirebaseData



Fields	Explain
FirebaseAuth <code>mAuth</code>	The entry point of the Firebase Authentication
FirebaseDatabase <code>database</code>	The entry point for accessing a Firebase Database
DatabaseReference <code>reference</code>	Reading or Writing to the data base location.
String <code>notification_message</code>	Variable with which the Trainer and trainee can communicate through the database

Methods	Explain
<code>FirebaseData</code>	Initialize the variables : <code>mAuth</code> & <code>database</code>
<code>createTrainer</code>	Save a trainer user in Firebase using his personal id (<code>mAuth.getId</code>)
<code>createTrainee</code>	Save a trainee user in Firebase using his personal id (<code>mAuth.getId</code>)
<code>getNotification</code>	returns the notification based on the appropriate id
<code>clearNotification</code>	Deletes the notification based on the appropriate id
<code>sendPlanRequest</code>	Function that announces sending Plan from Trainer to trainee by noticing through database.

Class Plan



Fields	Explain
String <code>trainer_id</code>	Variable that holds the trainer id from the database
String <code>trainee_id</code>	Variable that holds the trainee id from the database
String <code>date</code>	Variable that holds the date of the plan
HashMap<String, HashMap<String,String>> <code>trains</code>	Data structure describing a training plan

Methods	Explain
Getters & Setters	Collection of functions that allow access to the fields

Class Trainer



Fields	Explain
String <code>name</code>	Variable that holds the trainer name
String <code>address</code>	Variable that holds the trainer address
String <code>gender</code>	Variable that holds the trainer gender
String <code>type</code>	Variable that holds the type of this person (trainee or trainer)
String <code>education</code>	Variable that holds the trainer education
String <code>personal_page</code>	Variable that holds the trainer personal page (Facebook etc.)
String <code>notifications</code>	Variable that holds the trainer notification from the database
Int <code>age</code>	Variable that holds the trainer age
Int <code>cost</code>	Variable that holds the trainer cost for plan
Int <code>duration</code>	Variable that holds the trainer duration for plan
List<String> <code>targets;</code>	Variable that holds the trainer targets (muscles , fitness etc.)
Map<String, String> <code>my_trainees</code>	Data Structure that holds the personal trainees of this trainer

Methods	Explain
Getters & Setters	Collection of functions that allow access to the fields

Class Trainee



Fields	Explain
String <code>name</code>	Variable that holds the trainee name
String <code>address</code>	Variable that holds the trainee address
String <code>height</code>	Variable that holds the trainee height
String <code>weight</code>	Variable that holds the trainee weight
String <code>gender</code>	Variable that holds the trainer gender
String <code>type</code>	Variable that holds the type of this person (trainee or trainer)
String <code>notifications</code>	Variable that holds the trainee notification from the database
String <code>plan_status</code>	Variable that holds the plan status notification from the database
Int <code>age</code>	Variable that holds the trainee age

Methods	Explain
Getters & Setters	Collection of functions that allow access to the fields