BC Follow Me App-Server Protocol

1. login.php

   INPUT

username	char(25)
userPassword	char(40)

   OUTPUT

returnCode	SUCCESS, DBERROR, BADCREDS

2. createAccount.php

   INPUT

username	char(25)
email	char(45)
firstName	char(20)
lastName	char(20)
password	char(40)

   OUTPUT

returnCode	SUCCESS, USERNAMEEXISTS, DBERROR, EMAILEXISTS

3. getExcursionList.php

   OUTPUT

returnCode	SUCCESS, DBERROR
excursion	Excursion[ ]

4. loadExcursion.php

   INPUT

username	char(25)
excursionName	char(30)

   OUTPUT

returnCode	SUCCESS, DBERROR,
observation	Observation[ ]
coordinates	Coordinates [ ]

5. checkExcursion.php

   INPUT

userName	char(25)
excursionName	char(30)

   OUTPUT

returnCode	ExcursionExists, DBERROR, ExcursionDNE

6. publishExcursion.php

   INPUT

excursion	Excursion[ ]
observation	Observation[ ]
coordinates	Coordinates[ ]

OUTPUT

returnCode	SUCCESS, DBERROR

Return Codes

Name	Value
SUCCESS	0
DBERROR	1
BADCREDENTIALS	2
USERNAMEEXISTS	3
EMAILEXISTS	4
ExcursionExists	5
ExcursionDNE	6

Excursion[] =
      0 - title char(40)
      1 - description char(250)
      2 - creationDate DateTime
      3 – originalAuthor char
      4 – publisher
      5 – travelMode
      6 - shareMode

Observation[] =
      0 - title char(40)
      1 - description char(250)
      2 - latitude FLOAT
      3 - longitude FLOAT
      4 – creationDate DateTime
      5 – author char(25)

Coordinates[] = //coordinates will be returned in order to the app
      0 - latitude FLOAT
      1 - longitude FLOAT
      2 – index(only when putting in the database)

//The floats in the observation may be sent as Strings if that is necessary for compatibility