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

Note: All data below is sent as strings.
[x] refers to the maximum length of the string.

Excursion[] =

0 - title [40]
1 – description [250]
2 - creationDate [20]
3 – originalAuthor [25]
4 – publisher [25]
5 – travelMode [INT as String]
6 – shareMode [INT as String]

Observation[] =

0 - title [40]
1 – description [250]
2 - latitude [INT as String]
3 - longitude [INT as String]
4 – creationDate [20]
5 – author [25]

Coordinates[] =

0 - latitude [FLOAT as String]
1 - longitude [FLOAT as String]
2 – index (only when putting in the database)

Coordinates will be returned in order to the app.