

## BC-Follow Me Android to Web PHP Protocol

### 1. login.php

#### INPUT

username	char(25)
userPassword	char(40)

#### OUTPUT

returnCode	SUCCESS, DBERROR, BADCREDS
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### 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
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### 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
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### 6. publishExcursion.php

#### INPUT

userName	char(25)
excursionName	char(30)
description	char(250)

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

### Return Codes

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

Excursion[] =

- 0 - username char(25)
- 1 - excursionName char(30)
- 2 - description char(250)
- 3 - creationDate DateTime

Observation[] =

- 0 - observationName char(30)
- 1 - description char(250)
- 2 - latitude FLOAT
- 3 - longitude FLOAT
- 4 - creationDate DateTime

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