BC-Follow Me Android to Web PHP Protocol

1. login.php

INPUT

|  |  |
| --- | --- |
| username | char(25) |
| userPassword | char(40) |

OUTPUT

|  |  |
| --- | --- |
| returnCode | SUCCESS, DBERROR, BADCREDS |

1. createAccount.php

INPUT

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

OUTPUT

|  |  |
| --- | --- |
| returnCode | SUCCESS, USERNAMEEXISTS, DBERROR, EMAILEXISTS |

1. getExcursionList.php

OUTPUT

|  |  |
| --- | --- |
| returnCode | SUCCESS, DBERROR |
| excursion | Excursion[ ] |

1. loadExcursion.php

INPUT

|  |  |
| --- | --- |
| username | char(25) |
| excursionName | char(30) |

OUTPUT

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

1. checkExcursion.php

INPUT

|  |  |
| --- | --- |
| userName | char(25) |
| excursionName | char(30) |

OUTPUT

|  |  |
| --- | --- |
| returnCode | ExcursionExists, DBERROR, ExcursionDNE |

1. 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 |
| EMAILEXISTS | 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