BC Follow Me App-Server 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

|  |  |
| --- | --- |
| 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.