OOD

User Class

|  |  |
| --- | --- |
| Class Name | User |
| Method Name | login |
| Arguments | username, password |
| Return | userID |
| Error Messages | User does not exist, incorrect password |
| DB Accessed | Users |
| DB Changed | none |
| Method called | salthash |
| Narrative | Call this function to log the user in |

|  |  |
| --- | --- |
| Class Name | User |
| Method Name | createUser |
| Arguments | username, password, email |
| Return | userID |
| Error Messages | That username already exists, That email already exists |
| DB Accessed | Users |
| DB Changed | Users |
| Method called | salthash, sanitize |
| Narrative | Call this function to create a new user |

|  |  |
| --- | --- |
| Class Name | User |
| Method Name | deleteUser |
| Arguments | username |
| Return | None |
| Error Messages | User does not exist |
| DB Accessed | Users |
| DB Changed | Users |
| Method called | sanitize |
| Narrative | Used to delete a user |

|  |  |
| --- | --- |
| Class Name | User |
| Method Name | followUser |
| Arguments | username1, username2 |
| Return | followID |
| Error Messages | User does not exist |
| DB Accessed | Followers |
| DB Changed | Followers |
| Method called | sanitize |
| Narrative | username1 starts following username2’s events |

|  |  |
| --- | --- |
| Class Name | User |
| Method Name | unfollowUser |
| Arguments | Username1, username2 |
| Return | None |
| Error Messages | You are not following that user |
| DB Accessed | Followers |
| DB Changed | Followers |
| Method called | sanitize |
| Narrative | username1 stops following username2’s events |

|  |  |
| --- | --- |
| Class Name | User |
| Method Name | editProfile |
| Arguments | userID, email, password, location |
| Return | none |
| Error Messages | User does not exist |
| DB Accessed | Users |
| DB Changed | Users |
| Method called | sanitize salthash |
| Narrative | Edits email address, location or password for the UserID |

Event Class

|  |  |
| --- | --- |
| Class Name | Event |
| Method Name | addEvent |
| Arguments | userID, eventName, eventPlace, eventTime, eventDecrip, eventPrivacy |
| Return | eventID |
| Error Messages | Event could not be created |
| DB Accessed | Events |
| DB Changed | Events |
| Method called | sanitize |
| Narrative | Create an event |

|  |  |
| --- | --- |
| Class Name | Event |
| Method Name | deleteEvent |
| Arguments | eventID |
| Return | none |
| Error Messages | Event not found |
| DB Accessed | Events |
| DB Changed | Events |
| Method called | sanitize |
| Narrative | Delete an event |

|  |  |
| --- | --- |
| Class Name | Event |
| Method Name | getGuests |
| Arguments | eventID |
| Return | guestIDs |
| Error Messages | Event not found |
| DB Accessed | Events, RSVP |
| DB Changed | none |
| Method called | sanitize |
| Narrative | Retrieves the guests from an event |

Invite

|  |  |
| --- | --- |
| Class Name | Invite |
| Method Name | sendInvite |
| Arguments | userID, eventID, UserToInvite |
| Return | inviteID |
| Error Messages |  |
| DB Accessed | Invite |
| DB Changed | Invite |
| Method called | sanitize |
| Narrative | Send an invite to a user |

|  |  |
| --- | --- |
| Class Name | Invite |
| Method Name | acceptInvite |
| Arguments | inviteID, userID |
| Return | none |
| Error Messages |  |
| DB Accessed | Invite |
| DB Changed | Invite, RSVP |
| Method called | sanitize |
| Narrative | A user accepts an invite to an event |

|  |  |
| --- | --- |
| Class Name | Invite |
| Method Name | declineInvite |
| Arguments | inviteID, userID |
| Return | none |
| Error Messages |  |
| DB Accessed | Invite |
| DB Changed | Invite, RSVP |
| Method called | sanitize |
| Narrative | A user declines an invite to an event |