

Group 12

# DogeTix: Classes and Methods

A short description of the classes and methods involved in the DogeTix ticket system.

**User:** Holds all the information and available actions about and for a user.

`getCredit`: Gets the credit amount given in the `creditAmount` variable

`changeCredit`: takes two parameters, a bool (true for adding on to, false for taking away) and the amount to add/subtract from `creditAmount`

`getUserName`: returns username

`getType`: returns `userType`

`getLoginState`: returns `loginState`

`changeLoginState`: changes the state appropriately on login/logout

`writeToDTF`: writes to the daily transaction file using the `dtfLog` which is a text file that is updated appropriately to hold all user actions

`giveRefund`: given a user name and credit amount, that amount is taken out of the current users `creditAmount` and added to the others

`buyTicket`: given a number and an event name, the number is subtracted from the total number of tickets of the event

`getCreatedEvents`: returns the events that the user has created

`handleEvent`: returns an `eventHandler` to deal with any events created or to be created

`handleUser`: returns a `userHandler` for admins to deal with users

**Events:** Holds all the information about events

`getTicNum`: returns `ticketNumber`

`getTicPrice`: returns `ticketPrice`

`getEventName`: returns `eventName`

`getEventCreator`: returns `eventCreator`

`changeTicNum`: takes two parameters, a bool (true for adding on to, false for taking away) and the amount to add/subtract from `ticketNumber`

`changeEventName`: changes `eventName` to whatever the parameter is

**UserHandler:** used to handle users (accessed by admin only)

addUser: adds a user to the database

deleteUser: deletes a user from the database

addUserCredit: adds credit to a user

**EventHandler:** used to handle events

addEvent: adds a user created event to the database

deleteEvent: deletes an event the user has created from the database

***\*\*note: All methods that have something to do with the Daily Transaction File will update the log appropriately so when the user logs out the DTF can be written. Also note that these are all short descriptions and most functions will have conditions that need to be satisfied.***

## Ticket Service Class Diagram

