

Classes

User – Contains the id, email, password, username, and balance

Tickets – Outlines the name, price, quantity, and expiration date

Frontend

Login_get: #if not logged in, show login page

Login_post: #verify email and password are valid and match

Register_get: #If not logged in, go to registration page

Register_post: #verify email, passwords, username, go to login if valid

Logout: #redirects to login page, invalidated current session

Authenticate: #verify user is logged in when trying to access pages

Profile: #displays tickets of logged in user

Update_post: #Update information of a ticket already in the database

Sell_post: #Sell tickets through the website

Buy_post: #Buy tickets through website

Backend

Get_user: #Get a user by a given email

Login_user: #Check user authentication by comparing the password

Register_user: #Register the user to the database

Return_all_tickets: #Display all tickets of a specified user

Check_ticket: #Check if ticket exists and updates information if it does

Add_ticket: #Add a new ticket to the database

Buy_ticket: #Used when the user buys a ticket. Subtracts tickets bought from the quantity and adjusts user's price

Get_ticket: #Uses a name to check if a ticket exists and returns it if it does