A2_2022247

ASSUMPTIONS :

Only 1 admin exists
username : admin
password : password

After registering, the visitor has to log in again to access the
functionalities available to the user class.

Attractions
0.1 The attraction maintains an account of ticketed visitors.
0.2 Visitors to the attractions are classified as the parameter for the
most popular attraction.
0.3 The attractions are assumed to be open at the start.
0.4 Attraction ID is automatically set with respect to the total number
of animals already present in the zoo.

Visitors
1.1 The visitor buys the ticket only for himself; the age will be checked
while checking viability for discounts and deals.
1.2 The visitor chooses to buy n number of tickets. If n = 3 -> 15 %
discount, if n > 3, an automatic 30 % discount is applied.
1.3 The visitor is prompted to buy n number of tickets n times by a *for
loop*. The individual can choose to buy a different ticket each time. I
did this to decide the popular tourist attractions, and revenue per
attraction, and overall this granular approach seemed appropriate.
1.4 ** If during the for loop for tickets , if before buying all of the n
tickets , the aggregated debt of total price of tickets exceeds the total
balance of the visitor ,then all the tickets bought in that instance are
invalidated.

Animals
2.1 The admin has to hardcode the sound of the animal.
2.2 If the animal is not of one of the 3 types, "Invalid Animal Type is
generated after *all" the details relevant to the animal are fed.
2.3 There are initially six animals (2 of each of the 3 types mentioned
) so that it does not violate the criteria mentioned in the assignment.
2.4 To update a particular animal, it has to be referenced by its ID .
Each time "update animal" is clicked , animals present in the zoo along
with their ids are displayed .

3 Discounts
3.1 Discount code input should be an integer or it gives error .
3.2 Discount is applied on inclusive OR of the (visitor category ,
attraction) mentioned in the criteria for the relevant discount ,
otherwise error is generated .
3.3 To set the discount - admin is asked for
      age , attraction , discount code , percentage discount ,

4 Special Deals
4.1 Only the special deals given in the assignment can be added or
removed by the admin.
* At the starting , it is assumed that the deals are available .*