Algorithim of Tour and travel management source code

* New site function

Step1: Start

Step2: Read\input the site name.

Step3: Read\input the site season.

Step4: Read\input the site sits.

Step5: Read\input the site duration.

Step 6: Read\input the site departure date

Step7: Read\inputendhe site VIP package price

Step8: Read\input the site NORMAL package price

Step9: return site information to main function

Step10: End

* Delete function

Step1: Start

Step2: Read\input the user Id number

Step3: Read\input j

Step4: Write i=0

Step5: If Id==user[i].Id

Step 6: Write x=i,then break

Step7: i→i+1

Step8: If(i<j),then go to line 4

Step9: Write i=1+x

Step10: users[i-1]→users[i]

Step11: i→i+1

Step12: If(i<j), then go to line 9

Step13: j→j-1

Step14: Print the canceled reservation

Step15: End

* VIP package function

Step1: Start

Step2: Read\input the user Id number

Step3: Read\input j

Step4: Read destnation name

Step5: Read no\_dest

Step 6: Write i=0

Step7: If(dest\_name==sites[i].name),then i=n1

Step8: i→i+1

Step9: If (i<no\_dest), then go to line 6

Step10:Write i=0

Step11: if(user\_id+j==users[i].id), then n2=i

Step12:i=i+1

Step13: If(i<j), then go to line 9

Step14: Print the price of the site of the VIP package

Step15:if ( users[n2].visitorp == 3) ,then print the 50% discounting price of the VIP

Step16: End

* NORMAL package function

Step1: Start

Step2: Read\input the user Id number

Step3: Read\input j

Step4: Read destnation name

Step5: Read no\_dest

Step 6: Write i=0

Step7: If(dest\_name==sites[i].name),then i=n1

Step8: i→i+1

Step9: If (i<no\_dest), then go to line 6

Step10:Write i=0

Step11: if(user\_id+j==users[i].id), then n2=i

Step12:i=i+1

Step13: If(i<j), then go to line 9

Step14: Print the price of the site of the NORMAL package

Step15:if ( users[n2].visitorp == 3) ,then print the 50% discounting price of the NORMAL

Step16: End

**Display\_dest function**

Step 1:Start

Step 2:Read input no\_dest

Step 3:Print site name, season, size of travelers, date and duration

Step 4:Write i=0

Step 5:Print registered site name, registered season, registered size, registered date and registered duration

Step 6:II+1

Step 7: If (I <=no\_dest) then go to line 4

Step 8:End

**Modify function**

Step1: Start

Step 2:Read input no\_dest

Step 3:Read user id

Step 4:Write flag = false

Step 5:Write i=0

Step 6:If id==users[i].id then write x=i

Step 7:II+1

Step 8: If (I <=j) then go to line 4

Step 9:If x=-1 print there is no such id. try again and go to 3

Step 10:If x is not equal to -1 print there is no such id. try again and go to line 11

Step 11:Write input user name

Step 12:Write input user age

Step 13:Call function diplay\_dest

Step 14:Write input package name

Step 15:Write i=0

Step 16:If site name = package name and site sits=0

Step 17:Print Sorry this destination is fully booked, choose another and go to line 14

Step 18:If site name = package name and site sits is not equal to 0 write flag = true then break

Step 19:If flag=false print No match choose another place and go to line 14

Step 20:If (I <=no\_dest) then go to line 15

Step 21:read input travel season

Step 22:Write i=0

Step 23:If site season= package season

Step 24:Write flag=true

Step 25:If flag=false

Step 26:Print no match choose another season and go to line 21

Step 27:Read input package offer

Step 28:If package offer =1 call function vipp

Step 29:If package offer =2 call function normp

Step 30:If package offer is neither equals to 1 or 2 Print Wrong input.

Try again and go to line 27

Step 31:If (I <=no\_dest) go to line 22

Step 32:Modification of reservation information of customer is completed

Step 33:End

**Report function**

Step 1:Start

Step 2:Read input no\_dest

Step 3:Print site name, site season, departure date and number of passengers

Step 4:Write i=0

Step 5:Print registered site, registered season, departure date(dd,mm,yy) and and sits reserved

Step 6:If i< no\_dest go to line 4

Step 7:End

**Search function**

Step1:Start

Step 2:Read input no\_dest

Step 3:Read input id number

Step 4:Write i=0

Step 5:If id= user id

Step 6:print user choice and information then break

Step 7:if id is not equal to user id

Step 8:Print no match

Step 9:If id< \*j go to line 4

Step 10:en

**Sort function**

Step 1:start

Step2:write I=0,k =1

Step3:i=i+1

Step 4:k=i+1

Step 5:if (users[i].name > users[k].name ),then swap user[i] with user[k]

Step6:printuser[i].id,users[i].nam ,users[i].package.name,

users[i].pacakeg.season,user[i]s.package.offer then go to line 3

Step 7:end

**Rate function**

Step 1:start

Step2:read/input the site name

Step3 :read/input the user name

Step4:write x=-1

Step 5:write I=0

Step 6:if site\_name==site.name

Step 7:write x=I,then break

Step 8:if( x==-1),then go to line 2

Step 9:if( x!==-1) then go to line 3

Step10:read/input site rank name

Step11:read /input site rank rate

Step 12: end

**User function**

Step1:start

Step2:read/input user name

Step3:read/input user age

step4:call destination site function

Step5:read/input destination site function inputs

Step 6:read/input choice

Step7:read/input 1 for reservation or 2 for user menu or 3 for main menu

Step 8:read/input user package name

Step9:if(user package.name==site.name) and if(site.sits==0),then print it s fully booked and go to line 6 else go to line 8

Step 8:increment site.sits and decrement site.reserved

Step 9: if(user package.name!==site.name) go to line 6

Step 10:input/read user.package.season

Step 11:input/read user.package.offer

Step12:input/read user.id

Step 13:input/read user.visitor point and increment user.visitor point

Step 14if (user.package.offer == 1) VIP function is called else go to line 15

Step 15:(user.package.offer == 2) normp function is called else go to line 8 else go to line 8

Step 16:end

**Main function**

Step 1:start

Step 2:write int i = 0,j = 0,choice = 1,no of destination=0

Step 3:read/input login

Step 4:read/input choice

Step 5:if (login==1) and (choice ==1) call new site function and increment(I and no of destination else go to line 6

Step 6:read/input option

Step 7 :if(login==1) and if (option==1) print site name,site season

Read /input option 1

Step 8:if(login==2) and if (option==1) and if (option1==1) call new site and increment j

Step 9:if(login==2) and if (option==1) and (option1==2) go to menu

Step 10:Read choose

Step 11:if(login==2) and if (option==1)and (choose==1) call delete function

step12:if(login==2) and if (option==2) call modify function

Step 13:if(login==2) and if (option==3 ) and (choose== 2)call modify function

Step 10:if(login==2) and if (option==3)and (choose==3) call sort function

Step 11:if(login==2) and if (option==3) and (choose==4)call search function

Step 12:if(login==2) and if (option==4) print user name,user package name ,user package offer

Step 13:if(login==2) and if (option==5) ) call rate function

Step 14:if(login==2) and if (option==6) ) call report function

Step 15:if(login==2) and if (option==7 ) go to menu

Step 16:if(login==2) and if (option==8 ) exit

Step 17:end