جامعة جدة
University of Jeddah

College of Computer Science & Engineering
Department of Computer Science & Artificial Intelligence

Hello World!_
Hello Neom

Your personal guide to Neom

Ahd Abdulrahman Alsubhi.

2006555-A12

Problem Description

New future..
our future

NEOM is a daring and adventurous vision. It's a vision of what the New Future could be like. It's an attempt to do something never done before, and it comes at a time when the world desperately needs new ideas and solutions. Simply said, many opportunities will flock to NEOM in the coming years specifically on tourism. Newcomers to the city are unfamiliar with the city's entire system at first. They don't know anything about hotel, visiting tourist sites,booking events, and so forth. For newcomers, however, the (Hello world hello NEOM)Project will provides many solutions.

Rather than searching other websites, asking other tourists, or even watching vlogs and wasting time deciding where to go on your vacation based on other people's experiences, you may plan your own experience that is more suitable for your time, budget, and interests.

Application Description

Hello world! Hello NEOM project

Its main purpose is to provide all visitors to NEOM, the city of the future, with a pleasant experience and an easy-to-use service.

-The tourist will be able to search for available activiteis to book.
-The tourist will be able to search for Information on important tourist destinations.
-The tourist will be able to search for hotels,public parks ,traditional restaurants and bus station.
-The tourist will be able to display all the details after booking.
-The tourist will be able to sort activiteis based on ages,time,price.

Features of the Project:

1- Time-saving:
-Before visiting a city, most individuals spend a significant amount of time preparing and gathering information.

2- Usability:
-A well-organized program that is simple to use by people of all ages.
-In one spot, you'll find everything you need to know about visiting NEOM.

3- Have a good visit:
-Take a look at some of the most recent entertainment experiences and activiteis.

4- Your personal tour guide:
-Information on important tourist destinations, both historical and archaeological.

Classes & Relations

The project contains 4 classes:

1-City Class:

-Display all the city public facilities.

-Hotels,Resturants,public parks.

2-Tourists Class:

-Manage all the oprations of Tourists information.

-Will have the following attribute:Fname ,Lname,Mobile.

3-Booking Class:

-Manage all the oprations of booking

-Will have the following attribute:bookList,bookMsg1

4-activiteis Class:

-Display all the city activiteis

5-Sorting Class:

-Sorting all the city activiteis based on date,prise,age.

-Will have the following attribute:name,age,price,date.

6- Reservation Class:

-Hold all information of the reservation and store it in the file.

-Will have the following attribute:touristsInfo,touristsBook.

Screenshots

First input:

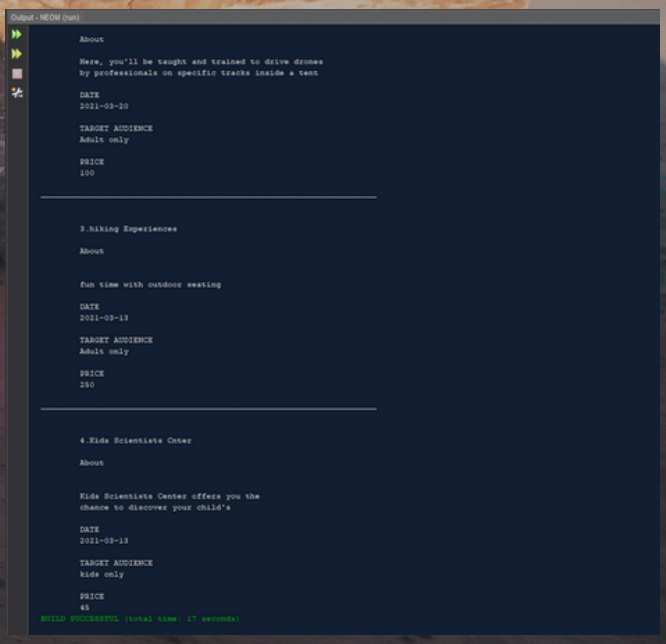
```
run:
**************************************************************
**************************************************************
**                                                          **
**                 HELLO WORLD! HELLO NEOM!                 **
**                                                          **
**               Your personal guide to Neom                **
**                                                          **
**************************************************************
**************************************************************
____________________________________________________________

choose one serves:
        choose 1 for: show public facilities
        choose 2 for: Show activiteis
        choose 3 for: book activiteis

Enter your Choice :  1
____________________________________________________________
choose one:
        choose 1 for: hotel
        choose 2 for: parks
        choose 3 for: restorant

Enter your Choice :  2
____________________________________________________________
1.Greenland Park
Preview
Perfect place for friends & family gathering
It has a playground with many games suitable for children especially small ages,
and contains inside the zoo contains various types of animals and birds that children see and feed,
and therefore enjoy their time with great fun, and the garden includes green spaces and large areas,
allowing families to sit and relax, Or walking and hiking.

Park Area: 2000000.00 SQM

Intertainment Elements:
Track - Sports - Sitting places - Entertainment - Restaurants - Trips - Kids area - Small animal park

Address
King Saud Road, AL Mahrgan, Tabuk, Saudi Arabia


____________________________________________________________


2.Prince Fahad Bin Sultan Park
Preview
One of the most beautiful places and the only outlet Tabuk
Prince Fahad bin Sultan's Park is located in Tabuk.It is the
headquarters of the Principality of the Tabuk region and the
largest cities in the north of the Saudi Arabia and around
it are some of the most important monuments in the Arabian
```

```
NEOM (run)
2.Prince Fahad Bin Sultan Park
Preview
One of the most beautiful places and the only outlet Tabuk
Prince Fahad bin Sultan's Park is located in Tabuk.It is the
headquarters of the Principality of the Tabuk region and the
largest cities in the north of the Saudi Arabia and around
it are some of the most important monuments in the Arabian
Peninsula,where Tabuk region is the northern gate of the Arabian
Peninsula and a vital route for trade and pilgrims and Umrah from
outside the Arabian Peninsula. It is one of the most important
agricultural areas in the and the largestKingdom Intertainment Elements

Park Area: 100000.00 SQM

Intertainment Elements:
Track - Sports - Sitting places - Entertainment - Restaurants - Trips - Kids area - Education

Address
King Faisal Road, Petromin, Tabuk, Saudi Arabia


____________________________________________________________


3.Prince Fahd Bin Sultan Marine Park
Preview
An outlet for parents Directly overlooking the sea,
it includes water channels, green and sandy areas
,walkways, a youth section and a family section. It
has several sea views, a two-story restaurant and a
maritime museum.

Park Area: 97500.00 SQM

Intertainment Elements:
Track - Sports - Sitting places - Entertainment - Restaurants - Trips - Kids area

Address
Al-Sabkha neighborhood, Haql, Tabuk, Saudi Arabia


____________________________________________________________


4.Palm Park In Haql
Preview

A forum for lovers of natural beauty The beautiful palm tree
park which is full of people and enjoys very good patronage
of water courses, waterfalls, children's recreational games,
and all kinds of water bridges.
Park Area: 88500.00 SQM

Intertainment Elements:
```

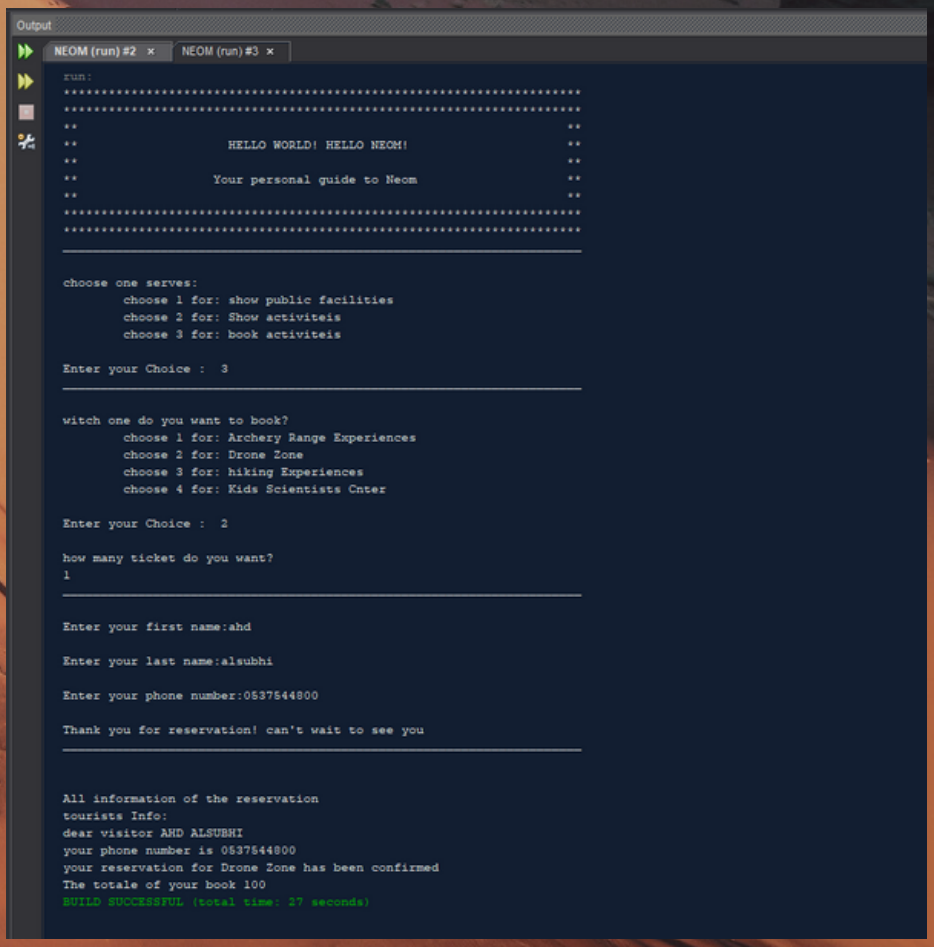
Second input:-sorting and display activities

```
choose one serves:
        choose 1 for: show public facilities
        choose 2 for: Show activiteis
        choose 3 for: book activiteis

Enter your Choice :  2
____________________________________________________________
Do you want to sort activiteis?
        choose 1: for Yes
        choose 2: for No

Enter your Choice :  1
____________________________________________________________
sort by?
        choose 1 for: Date
        choose 2 for: [adults - Family - kids]
        choose 3 for: price

Enter your Choice :  1
____________________________________________________________
Sorted List:

Archery Range Experiences
Family fun games with outdoor seating

2021-03-11
____________________________________________________________

Drone Zone
Here, you'll be taught and trained to drive drones
by professionals on specific tracks inside a tent

2021-03-20
____________________________________________________________

hiking Experiences


2021-03-13
____________________________________________________________

Kids Scientists Cnter

Kids Scientists Center offers you the
chance to discover your child's

2021-03-23
BUILD SUCCESSFUL (total time: 16 seconds)
```

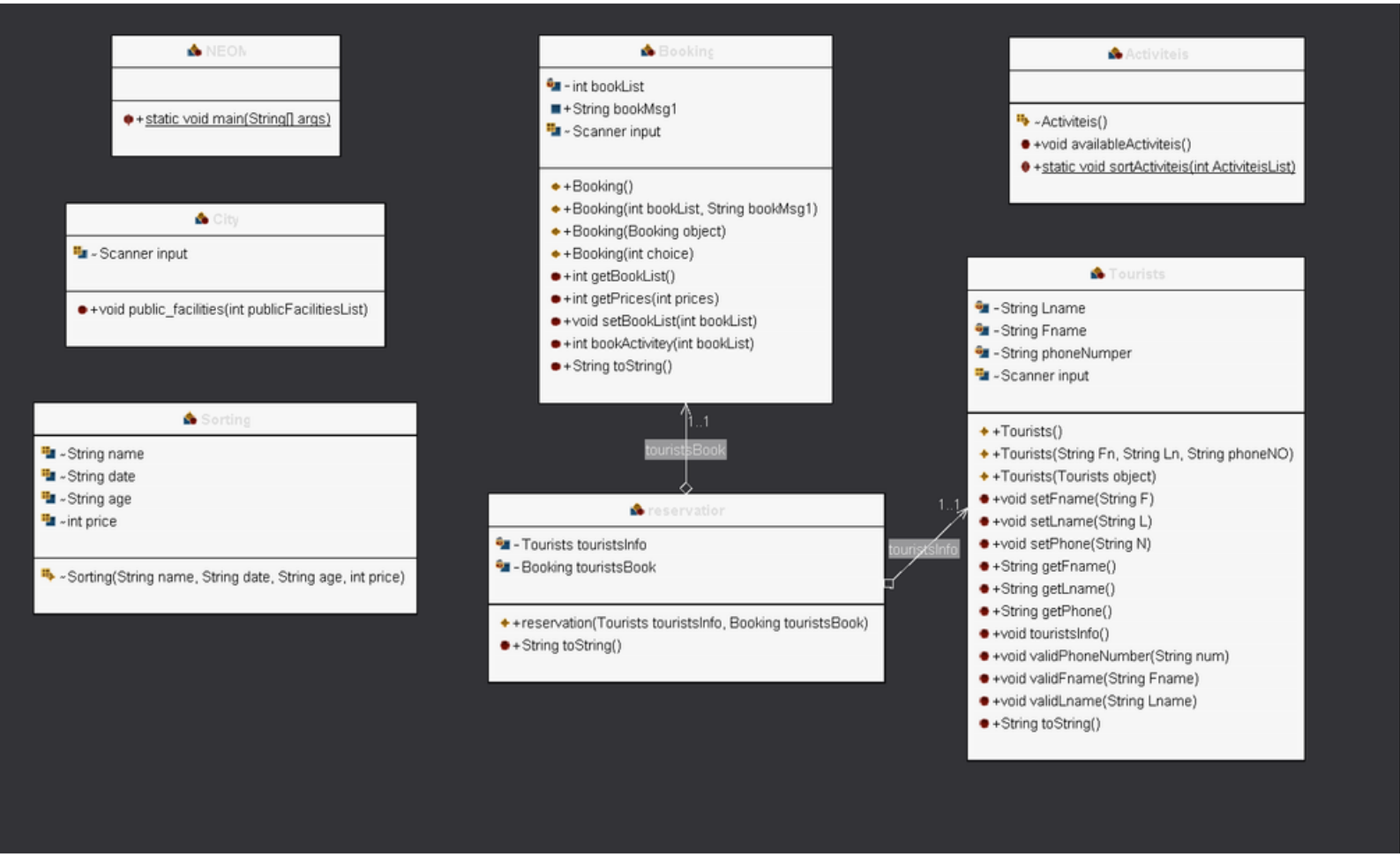
```
**                                                          **
**                 HELLO WORLD! HELLO NEOM!                 **
**                                                          **
**               Your personal guide to Neom                **
**                                                          **
**************************************************************
**************************************************************
____________________________________________________________

choose one serves:
        choose 1 for: show public facilities
        choose 2 for: Show activiteis
        choose 3 for: book activiteis

Enter your Choice :  2
____________________________________________________________
Do you want to sort activiteis?
        choose 1: for Yes
        choose 2: for No

Enter your Choice :  1
____________________________________________________________
sort by?
        choose 1 for: Date
        choose 2 for: [adults - Family - kids]
        choose 3 for: price

Enter your Choice :  2
____________________________________________________________

Archery Range Experiences
Family fun games with outdoor seating
Family
____________________________________________________________

Drone Zone
Here, you'll be taught and trained to drive drones
by professionals on specific tracks inside a tent
Adult only
____________________________________________________________

hiking Experiences

Adult only
____________________________________________________________

Kids Scientists Cnter

Kids Scientists Center offers you the
chance to discover your child's
kids only
BUILD SUCCESSFUL (total time: 9 seconds)
```



Third input:booking



UML daigram


NEON
+static void main(String[] args)
Booking
- int bookList
+String bookMsg1
- Scanner input
+Booking()
+Booking(int bookList, String bookMsg1)
+Booking(Booking object)
+Booking(int choice)
+int getBookList()
+int getPrices(int prices)
+void setBookList(int bookList)
+int bookActivitey(int bookList)
+String toString()
Activiteis
-Activiteis()
+void availableActiviteis()
+static void sortActiviteis(int ActiviteisList)
City
- Scanner input
+void public_facilities(int publicFacilitiesList)
Tourists
-String Lname
-String Fname
-String phoneNumper
-Scanner input
+Tourists()
+Tourists(String Fn, String Ln, String phoneNO)
+Tourists(Tourists object)
+void setFname(String F)
+void setLname(String L)
+void setPhone(String N)
+String getFname()
+String getLname()
+String getPhone()
+void touristsInfo()
+void validPhoneNumber(String num)
+void validFname(String Fname)
+void validLname(String Lname)
+String toString()
Sorting
-String name
-String date
-String age
-int price
-Sorting(String name, String date, String age, int price)
1..1
touristsBook
reservatior
- Tourists touristsInfo
- Booking touristsBook
+reservation(Tourists touristsInfo, Booking touristsBook)
+String toString()
1..1
touristsInfo

Ahd
Alsubhi

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