



MehrCar USER MANUAL

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Introduction and HOW TO LAUNCH THE APPLICATION

1. The computer on which to launch the application just need to have java requirements.
2. The command line user interface (CUI) of the application can be launched from the “App” class defined in the “MehrCar\src\main\java\it.unipi.dii.lsd.b.Mehravar\AppData.java” file.
3. Once the CUI appears on the screen, the functionalities of the application can be used by either Register or logging in with the following credentials:

| Role of User | Username | Password |
|--------------|--------------|-----------------|
| Admin | 123456 | admin |
| user | User's Phone | User's Password |

APPLICATION CUI GUIDE

LOGIN PAGE

first you have to choose which character that you want press L as login user or admin and Press R for registration

```
:::::::::: login OR Register ::::::::::
:: Insert L for login OR R for Register as a new user ::|
```

for Example, I have login-end as Admin and you can see the admin Menu:

```
:: login ::
insert phone number:
123456
insert password
admin
:::Welcome to Admin Dashboard!:::
select one option:
A: Add new user
B: Add new Advertisement
C: see adverts by phone number
D: see users by phone
E: Statistics Area
F: Delete Adverts
G: Update Adverts
H: Search for Car
Type EXIT for exit!
```

and for the user you I have choose one number and Password from our dataset to login as a user:

```
:::::::::: Login OR Register ::::::::::
:: Insert L for login OR R for Register as a new user ::
l
:: login ::
insert phone number:
4057759884
insert password
c@sLd6gxI[sE/aJ
:::Welcome to User Dashboard!:::
select one option:
A: see your cars advert
B: Add new Advertisement
C: search for cars
D: delete Advert
E: Update your Advert
Type EXIT for exit!
```

SIGN UP PAGES

In MehrCar, the users can either sign up as a New user:

At the Following Picture you can see an Example of a new Registration and after that New user can login in to the application.

```
:::::::::: Login OR Register ::::::::::
:: Insert L for login OR R for Register as a new user ::
r
:: Register ::
Please insert phone number
777777
Now please insert the details:
insert Name:
ali
insert Surname:
yousefi
insert username:
ali.yousefi
insert password:
@123@321
insert Email:
ali.yousefi@gmail.com
insert Gender:
f
You are registered successfully! Now please login
:: login ::
insert phone number:
```

Admin Dashboard

First I have loge-din to my Application with admin Access

now as an admin I can add a user/admin to the application by following menu and I Press “A” for Creating a New User :

```
:: login ::
insert phone number:
123456
insert password
admin
:::Welcome to Admin Dashboard!:::
select one option:
A: Add new user
B: Add new Advertisement
C: see adverts by phone number
D: see users by phone
E: Statistics Area
F: Delete Adverts
G: Update Adverts
H: Search for Car
Type EXIT for exit!
```

I Put data for New User:

```
a
Now please insert the details:
insert Name:
hasan
insert Surname:
nori
insert username:
hasan.nori
insert password:
098765
insert Email:
hasan.nori@gmail.com
insert Phone Number:
99887766
insert Gender:
m
insert role(admin or user)
user
User Inserted successfully
```

for more Explanation, related to the admin menu, admin can also add a new advertisement as you can see by Pressing “B”

```
insert Car's Manufacturer:
peugeot
insert Region:
Pisa
insert Price:
1100
insert Model(4 digit year):
2005
insert type of fuel:
gas
insert type of transmission:
manual
insert the Type(Sedan, SUV,...):
Sedan
insert paint color:
pink
insert phone number
99662211
insert description
it's really good car :)
Car added
99662211
Advert added
Advert Inserted successfully
```

For Other Part of Admin Menu I will Show you Step By Step .

If you Press “C” you can see adverts by phone number as Picture Shown Below :

```

Please insert the phone number
2127867533
:::::::::Car Details:::::::::
Region: auburn
Price: 7500
Year: 2014
Manufacturer: hyundai
Model: sonata
Fuel: gas
Transmission: automatic
Type: sedan
Paint color: null
Description: I'll move to another city and try to sell my car. The car is in very good condition, everything works and fully cleaned. It equipped with a heated
Posting Date: 2020-12-02T02:11:50-0600
Phone: 2127867533
Car ID: 6051ed390a85c466ff1347f5
:::::::::Car Details:::::::::
Region: sarasota-bradenton
Price: 29900
Year: 2012
Manufacturer: honda
Model: odyssey ex
```

If you Press “D” you can see users by phone as Picture Shown Below :

```
D: see users by phone
E: Statistics Area
F: Delete Adverts
Type EXIT for exit!
d
Please insert the phone
3392894655
::::::::User Details:::::::::
Name: Larisa
Surname: Still
Gender: F
Email: larisa.still@exxonmobil.com
Phone: 3392894655
Role: user
Username: lwstill
Password: *****
:::Welcome to Admin Dashboard!:::
```

At the Statistics Area with “E” bottom you can see:

```

***----- Welcome to Statistics Area! -----***
:.. Total Users in our Platform: 100006.:
:.. Total Advert in our Platform: 458258 :.
*-----Top 3 Regions!-----*
Region Name: columbus 3818
Region Name: rochester 3592
Region Name: jacksonville 3504
*-----Average Price in Top 3 Regions!-----*
Region: columbus Avg Price: 14585.243583027763
Region: rochester Avg Price: 12653.786191536748
Region: jacksonville Avg Price: 15105.606164383562
*-----Favorite Brands For Men!-----*
Brand Name: ford Count: 39545
Brand Name: chevrolet Count: 32498
Brand Name: toyota Count: 19402
*-----Favorite Brands For Women!-----*
Brand Name: ford Count: 40120
Brand Name: chevrolet Count: 32478
Brand Name: toyota Count: 19175
*-----The Most Expensive Car in Mens' Favorite Brand!-----*
Model: f-150 price: 345000
Model: c10 price: 11111111
Model: tacoma price: 22000000
*-----The Most Expensive Car in Women's' Favorite Brand!-----*
Model: explorer price: 123456789
Model: null price: 1234567890
Model: camry price: 999999
*-----Top 3 Manufacturer by submitted cars -----*
Manufacturer: ford submitted cars: 79669
Manufacturer: chevrolet submitted cars: 64976
Manufacturer: toyota submitted cars: 38577
*----- 5 most popular paint Color in our platform -----*
Paint Color: null number of cars with this Color: 140840
Paint Color: white number of cars with this Color: 82785
Paint Color: black number of cars with this Color: 64149
Paint Color: silver number of cars with this Color: 46722
Paint Color: red number of cars with this Color: 33275
***-----***
```

and for Deleting an advert with “F” bottom:

```
F: Delete Adverts
Type EXIT for exit!
f
Please enter ID of the advert you want to delete:
60ae66fbdaeccc41ac49e242
Your advert DELETED successfully!
```

and for Updating an advert with “G” bottom:

```
G
:: Update a Car Details ::
Do you have ID of the car? (y/n)
y
Please enter ID of the car you want to update:
6051ed390a85c466ff1347fe
Please specify which field you want to update:
A: Paint Color
B: Description
a
Please enter new value of Paint Color:
Red
Changes applied successfully!
```

and for Searching an advert with “H” bottom:

```
H
:: Search for Cars ::
Please insert Region:
aubbnn
Please insert Manufacturer(Like Ford,Chevrolet, BMW, ...):
Ford
Please insert Production Year (4 number digit):
2012
::::::::::Advert Details::::::::::
Published date: 2020-11-30T13:34:00-0600
Region: aubbnn
Price: 39990
Year: 2012
Manufacturer: ford
Model: mustang shelby gt500 coupe
Fuel: gas
Transmission: other
Type: coupe
Paint color: red
Description: Carvana is the safer way to buy a car During these uncertain times, Carvana is dedicated to ensuring safety for all of our customers. In addition to our 100% online shopping and selling experience that allow
Phone Number: 3392894655
::::::::::Advert Details::::::::::
Published date: 2020-11-27T12:12:30-0600
Region: aubbnn
Price: 27500
Year: 2012
Manufacturer: Ford
Model: f-250
Fuel: diesel
Transmission: automatic
Type: pickup
Paint color: Red
Description: 189K miles Leather interior Tires are basically brand new RanchHand Brush Guard Running boards Sunroof Gooseneck setup in bed Backup camera Navigation Bluetooth touch screen
Phone Number: 4794932345
::::::::::Advert Details::::::::::
Published date: 2020-11-22T12:35:38-0600
Region: aubbnn
DELETED: 202011
```


VIEW User Dashboard

I log-in to the Application as a user now:

```
:::::::::: Login OR Register :::::::::::
:: Insert L for login OR R for Register as a new user ::
L
:: login ::
insert phone number:
3196882317
insert password
63&y!Ad*
:::Welcome to User Dashboard!:::
select one option:
A: see your adverts
B: Add new Advert
C: search for adverts
D: Delete an Advert
E: Update an Advert
Type EXIT for exit!
```

For this user I want to show you His Adverts by Pressing “A” bottom:

Note that “this is just Part of his Adverts that I showed to you “.

```

:: Your adverts ::
Published date: 2020-11-27T07:21:42-0600
Region: auburn
Price: 36990
Year: 2013
Manufacturer: bmw
Model: m3 coupe 2d
Fuel: gas
Transmission: other
Type: coupe
Paint color: black
Description: Carvana is the safer way to buy a car During these uncertain times, Carvana is dedicated to ensuring safety for all of our customers. In addition to our 100% online shopping and selling experience that allows all customers to buy and trade i
** Car ID **: 6051ed390a85c466ff1347ff
*** Advert ID ***: 60ae06fbd8eccc41ac49e244
:: Your adverts ::
Published date: 2020-11-27T14:53:36-0500
Region: sarasota-bradenton
Price: 7900
Year: 2010
Manufacturer: chrysler
Model: 300
Fuel: gas
Transmission: automatic
Type: null
Paint color: white
Description: We are A TO Z Autos. We have been serving the area for over 19 years and we are the largest volume Buy Here Pay Here used car dealership around. We have a great team of technicians that inspect our vehicles when they arrive to assure that yo
** Car ID **: 6051ed490a85c466ff14df50
*** Advert ID ***: 60ae06ffdaeccc41ac4b7995
:: Your adverts ::
Published date: 2020-11-18T09:57:57-0500
Region: lansing
Price: 33990
Year: 2020
Manufacturer: ram
Model: 1500 classic crew cab slt
Fuel: gas
Transmission: automatic
Type: pickup
Paint color: black
Description: Carvana is the safer way to buy a car During these uncertain times, Carvana is dedicated to ensuring safety for all of our customers. In addition to our 100% online shopping and selling experience that allows all customers to buy and trade i
** Car ID **: 6051ed580a85c466ff16d5f0
*** Advert ID ***: 60ae47b3daeeccc41ac4b7995
```

Now for the other Part of the Application I Press “B” for Add a new Advert.

```
b
insert Car model:
OLX
insert Car's Manufacturer:
Pegiot
insert Region:
Pisa
insert Price:
1200
insert Model(4 digit year):
1998
insert type of fuel:
gas
insert type of transmission:
manual
insert the Type(Sedan, SUV,...):
sedan
insert paint color:
Black
insert description
It's a good Car
Advert added
```

for the other Part of the Application I Press “C” for search an Advert.

```
c
:: Search for Cars ::
Please insert Region:
auburn
Please insert Manufacturer(like Ford,Chevrolet, BMW, ...:
cadillac
Please insert Production Year (4 number digit):

:::::Advert Details:::::
Published date: 2020-11-12T15:00:18-0600
Region: auburn
Price: 12998
Year: 2013
Manufacturer: cadillac
Model: xts
Fuel: gas
Transmission: automatic
Type: sedan
Paint color: null
Description: 2013 *** Cadillac XTS Luxury Collection 4dr Sedan Sedan ***   Ready To Upgrade Your Ride Today? We Make It Fast & Easy!Call (or text) ☎ (916) 619-1849 Motor Sp
Phone Number: 3062753361
```

for the other Part of the Application I Press “D” for Delete an Advert.

```
d
:: Delete an Advert ::
Do you have ID of the advert? (y/n)
y
Please enter ID of the advert you want to delete:
60ae6706daeccc41ac4ecden
Your advert DELETED successfully!
```

for the other Part of the Application I Press “E” for Updating an Advert.

```
e
:: Update a Car Details ::
Do you have ID of the car? (y/n)
y
Please enter ID of the car you want to update:
6051ed580a85c466ff1665e5
Please specify which field you want to update:
A: Paint Color
B: Description
b
Please enter new value of Description:
Good Car!!!!
Changes applied successfully!
```