```
Admin password setup required
Enter admin's password: Admin@1234
```

Admin's password setup

```
Please select an option :
1. Find a cab
2. Update Cab location or insert new cab location (Admins)
3. View available cabs
4. Exit
```

Options to select displayed

```
1

Please enter your location index : 5
Best cab is at index 17 which is 2 km from you.
```

Option 1. Find the best cab that you can select for the ride . Uses Dijkstra's algorithm

```
Please enter your location index : 854
Sorry,Cab not available , We are working on it,Our services will soon be available in your area.
```

If an index that is not present in the graph structure of city , then it is handled .

```
Please enter your location index : -5
Location index cannot be negetive , enter a valid location
```

If there is a negative input it is also handled

```
Enter admin password: asdfg
Invalid password. Access denied.
```

Option 2. Allows to update the location of the cab . only admins can perform this operation that's why password is asked. If wrong password entered access is denied

```
2

Enter admin password: Admin@1234
Enter the previous location (enter -1 if new Cab is to be added) : 14
Enter the current location : 10
 Cannot update cab location (Please check for a valid input).
```

When right password entered access allowed and previous and current location of the cab is prompted. Any invalid input is handled .

```
2

Enter admin password: Admin@1234
Enter the previous location (enter -1 if new Cab is to be added) : -1
Enter the current location : 18
Location updated.
```

-1 indicated that new cab is added , so updating is done accordingly.

```
3



enter your location index : 5
Cab at location 13 is 13 km from you
Cab at location 17 is 2 km from you
Cab at location 19 is 11 km from you
Please use 'find a cab' facility in option 1 to find the best Cab for yourself
```

This displays all the cabs that are available nearby.