

PPS-18CS101J
MINI PROJECT
TAXI BOOKING SYSTEM

DONE BY:

ABILASHA M

RA2111003010020

TAXI BOOKING SYSTEM

CODE:

```
// header files

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

// global variable

char P_name[100],pickup[100],destination[100],c;

int P_no,time,x;

int distance,amount;

// pointer for file

FILE *cab;

// function to book taxi

void booktaxi()

{

    int ch;

    char b;

//getting details for ride

    printf("Name:");

    scanf("%s",P_name);

    printf("phone no:");

    scanf("%d",&P_no);

    printf("pickup Time(hrmin):");

    scanf("%d",&time);

    printf("pickup loction:");

    scanf("%s",pickup);

    printf("destination:");

    scanf("%s",destination);

    printf("distance(km):");

    scanf("%d",&distance);
```

```

printf("select cab \n 1.mini \n 2.suv");
printf("\n Enter your choice:");scanf("%d", &ch);
//calculating amount
switch(ch)
{
    case 1:
        if(distance<100)
        {
            amount=distance*10;
        }
        else if (distance>=100)
        {
            amount=distance*5;
        }
        break;
    case 2:
        if(distance<100)
        {
            amount=distance*15;

        }
        else if (distance>=100)
        {
            amount=distance*10;

        }
        break;
}
printf("\n amount:%d",amount);
//booking ride

```

```
bk:

printf("\ndo you want to book taxi?\n(1=>yes)\n(2=>no):");

scanf("%d",&x);

if(x==1)

{

    printf("\nthank you for booking...");

    cab=fopen("cab_list.txt","a");

fprintf(cab,"%s\t\t%d\t\t\t%d\t\t%s\t\t%s\t\t%d\t\t%d\n",P_name,P_no,time,pickup,destination,
distance,amount);

    fclose(cab);

}

else if(x==2)

{

    printf("\nbooking canceled.");

}

else

{

    printf("\ninvalid choice");

    goto bk;

}

}

// function to print price list

void price_list()

{

    printf("~~~~~price list~~~~~");

    printf("\n");

    printf("\ns.no\ttaxi\tmax people\t100km\t>100km");

    printf("\n");
```

```
printf("\n1\tmini\t\t4\t10\t5");  
  
printf("\n");  
  
printf("\n2\tsuv\t\t7\t15\t10");  
  
printf("\n");  
  
printf("~~~~~");  
  
}  
  
//function to print booking list  
  
void show_list()  
{  
  
    printf("taxi booking list:");  
  
    cab = fopen("cab_list.txt","r");  
  
    printf("name\t\tp_no\t\ttime\t\tpickup\t\tdestination\t\t\tdistance\t\t\tamount\n");  
  
    while(c!=EOF)  
    {  
  
        c=fgetc(cab);  
  
        printf("%c",c);  
  
    }  
  
    fclose(cab);  
  
}  
  
//main fuction  
  
int main()  
{  
  
    int num=0;  
  
    char c;  
  
    do{  
  
//shows the choice list  
  
        printf("\n~~~~~ TAXI ~~~~~");  
  
        printf("\n\t[1]=> show price list ");  
  
        printf("\n");  

```

```

printf("\n\t[2]=> book taxi ");
printf("\n");
printf("\n\t[3]=> Show booking list ");
printf("\n");
printf("\n\t[4]=> exit");
printf("\n");
printf("\n~~~~~");
printf("\n");
printf("\n\t enter your choice:");
scanf("%d",&num);
//execute based on choice
switch(num)
{
case 1:
    price_list();
    break;
case 2:
    booktaxi();
    break;
case 3:
    show_list();
    break;
case 4:
    break;
default:
    printf("invalid choice");
    break;
}
}while(num!=4);
return 0;

```

OUTPUT

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:1

~~~~~price list~~~~~

| s.no | taxi | max people | 100km | >100km |
|------|------|------------|-------|--------|
|------|------|------------|-------|--------|

|   |      |   |    |   |
|---|------|---|----|---|
| 1 | mini | 4 | 10 | 5 |
|---|------|---|----|---|

|   |     |   |    |    |
|---|-----|---|----|----|
| 2 | suv | 7 | 15 | 10 |
|---|-----|---|----|----|

~~~~~

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:2

Name:abi

phone no:8989898989

pickup Time(hrmin):12

pickup loction:chennai

destination:salam

distance(km):300

select cab

1.mini

2.suv

Enter your choice:1

amount:1500

do you want to book taxi?

(1=>yes)

(2=>no):1

thank you for booking...

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~


enter your choice:2

Name:vani

phone no:7896788877

pickup Time(hrmin):430

pickup loction:tambaram

destination:pondicherry

distance(km):150

select cab

1.mini

2.suv

Enter your choice:2

amount:1500

do you want to book taxi?

(1=>yes)

(2=>no):1

thank you for booking...

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:2

Name: vinoth

phone no:2323456356

pickup Time(hrmin):5

pickup loction:vadapalani

destination: chengalpattu

distance(km):90

select cab

1.mini

2.suv

Enter your choice:1

amount:900

do you want to book taxi?

(1=>yes)

(2=>no):2

booking canceled.

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:2

Name:sai

phone no:1234567890

pickup Time(hrmin):730

pickup loction:chennai

destination: villupuram

distance(km): 100

select cab

1.mini

2.suv

Enter your choice:1

amount:500

do you want to book taxi?

(1=>yes)

(2=>no):3

invalid choice

do you want to book taxi?

(1=>yes)

(2=>no):1

thank you for booking...

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:3

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:3

taxi booking list:

name	p_no	time	pickup	destination	distance	amount
abi	399964397	12	chennai	selam	300	1500
vani	693145715	430	tambaram	pondicherry	150	1500
sai	1234567890	730	chennai	villupuram	100	500



~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:5

invalid choice

~~~~~ DROP TAXI ~~~~~

[1]=> show price list

[2]=> book taxi

[3]=> Show booking list

[4]=> exit

~~~~~

enter your choice:4

TEXT FILE

main.c	cab_list.txt	:						
1	abi	399964397	12	chennai	selam	300	1500	
2	vani	693145715	430	tambaram	pondicherry	150	1500	
3	sai	1234567890	730	chennai	villupuram	100	500	
4								