#include<stdio.h>

#include<conio.h>

#include<graphics.h>

float fcost(float dist);

float ftax(float fdist);

float amount(float fdistance);

float fcost(float dist)

{

float cost;

    cost = dist\*30;

return cost;

}

float amount(float fdistance)

{

float fcost,ftotal,ftaxes;

    fcost=fdistance\*30;

    ftaxes=(fcost\*0.12);

    ftotal= (fcost+(fcost\*0.12));

    return ftotal;

}

float ftax(float fdist)

{

float ftax,fcost;

    fcost=fdist\*30;

    ftax=fcost\*0.12;

return ftax;

}

void main()

{

    int gd= DETECT,gm;

    int x,y;

    char email[50],pwd[50],name[50],pnum[10],gender,city[50],address[100],dest[100],pnum2[10],pin[4],feedback[100];

    int i,age,loc,loc2,pgate,rating,key,key1;

    float taxes,tcost,cost,distance;

    initgraph(&gd,&gm,"C:\\TC\\BGI");

    new:

    settextstyle(3,0,4);

    setcolor(RED);

    outtextxy(50,50,":::::WELCOME TO NAMMA CAB.COM:::::");

    delay(1000);

    settextstyle(1,0,1);

    setcolor(LIGHTMAGENTA);

    outtextxy(250,160,"\t\t\tPLEASE LOGIN: ");

    printf("\n\n\n\n\n\n\n\n\n\t\t\t------------------------------\n");

    printf("\n\n\t\t\t------------------------------\n\n\n");

    delay(1000);

    g:

    printf("ENTER E-MAIL ID:");

    gets(email);

    printf("\nENTER PASSWORD:");

    for(i=0;i<8;i++)

    {

        pwd[i]=getch();

        printf("\*");

    }

    pwd[i]='\0';

    getch();

    delay(1000);

    setcolor(YELLOW);

    settextstyle(0,0,1);

    outtextxy(100,360,"Password verification under progress....Please wait!");

    delay(2500);

    if((strcmp(email,"sangamesh@gmail")==0)&&(strcmp(pwd,"09022003")==0))

    {

    }

    else

    {

        setcolor(CYAN);

        settextstyle(0,0,1);

        outtextxy(100,400,"Incorrect e-mail I'd or password!...");

        delay(1500);

        outtextxy(100,420,"Press any key to exit\n");

        scanf("%d",key);

        getch();

        exit(0);

    }

    setcolor(CYAN);

    settextstyle(0,0,1);

    outtextxy(100,400,"Password verification successful!..");

    delay(1000);

    setcolor(BROWN);

    settextstyle(1,0,1);

    outtextxy(180,450,"PLEASE ENTER YOUR CREDENTIALS:");

    delay(750);

    closegraph();

    textcolor(CYAN);

    printf("\t");

    cprintf("\n\n\n\n\tName:");

    gets(name);

    printf("\n");

    x:

    textcolor(CYAN);

    printf("\t");

    cprintf("\tMobile number:");

    scanf("%s",&pnum);

    if((strlen(pnum)==10))

    {

    }

    else

    {

        printf("\n\n");

        textcolor(RED);

        printf("\t\t\t");

        cprintf("\tEnter a valid mobile number");

        printf("\n");

        goto x;

    }

    y:

    printf("\n");

    textcolor(CYAN);

    printf("\t");

    cprintf("\tAge:");

    scanf("%d",&age);

    if(age<0)

    {       textcolor(RED);

        printf("\t\t\t");

        cprintf("\tenter valid age!");

        printf("\n");

        goto y;

    }

    a:

    printf("\n");

    textcolor(CYAN);

    printf("\t");

    d:

    cprintf("\tCity:");

    scanf("%s",&city);

    printf("\n");

    if((strcmp(city,"Bangalore")==0) || (strcmp(city,"Delhi")==0) || (strcmp(city,"Mumbai")==0) || (strcmp(city,"Chennai")==0) || (strcmp(city,"Hyderabad")==0) || (strcmp(city,"Pune")==0))

    {

    }

    else

    {

        textcolor(RED);

        printf("\t   ");

        cprintf("Sorry! We still donnot provide services in your city...");

        delay(2300);

        printf("\n\n\t\t\tWe are only available in\n\t\t\t\t-Banglore\n\t\t\t\t-Delhi\n\t\t\t\t-Mumbai\n\t\t\t\t-Chennai\n\t\t\t\t-Hyderabad\n\t\t\t\t-Pune\n");

        delay(2000);

        printf("\n\t\t\tWe'll start proving our services in your city soon\n\n");

        delay(1000);

        textcolor(YELLOW);

        printf("\t\tPress [1] to select different city [0] to exit");

        scanf("%d",&key1);

        if(key1==1)

        {

            goto d;

        }

        else if(key1==0)

        {

            printf("\t\t\t\t");

            cprintf("THANK YOU!");

            printf("\n\n\n");

            delay(1200);

            exit(0);

        }

    }

    z:

    printf("\n");

    textcolor(LIGHTRED);

    printf("\t");

    cprintf("\tPlease allow us to access your location.");

    printf("\n");

    printf(" \t\t");

    cprintf("\t [1] Allow  [2] Denay");

    printf("\n");

    scanf("%d",&loc);

    printf("\n");

    if(loc==1)

    {

    }

    else

    {

        printf("\tWe need your location in order to continue...\n");

        goto z;

    }

    textcolor(YELLOW);

    printf("\t");

    cprintf("\tYour destination:");

    scanf("%s",&dest);

    printf("\n");

    textcolor(YELLOW);

    printf("\t");

    cprintf("\tYour pickup address:");

    scanf("%s",&address);

    textcolor(YELLOW);

    printf("\t");

    cprintf("\n\tEnter the distance of travelling:");

    scanf("%f",&distance);

    delay(1000);

    cost= fcost(distance);

    taxes=ftax(distance);

    tcost=amount(distance);

    textcolor(YELLOW);

    printf("\n\n\t\t\t");

    cprintf("\tSearching for the suitable cabs");

    delay(800);

    cprintf(".");

    delay(800);

    cprintf(".");

    delay(800);

    cprintf(".");

    printf("\n\n");

    delay(1500);

    textcolor(YELLOW);

    printf("\t\t\t");

    cprintf("We have found some taxies...");

    delay(1300);

    textcolor(YELLOW);

    printf("\n\n");

    printf("\t\t\t");

    cprintf("Generating your total cost");

    delay(800);

    cprintf(".");

    delay(800);

    cprintf(".");

    delay(800);

    cprintf(".");

    delay(800);

    printf("\n\n");

    printf("\t\t");

    textcolor(WHITE);

    cprintf("\tCost of travelling        : %f",cost);

    printf("\n");

    printf("\t\t");

    cprintf("\tTaxes                     : %f",taxes);

    printf("\n\n\t\t");

    cprintf("\tTotal cost after taxes    : %f",tcost);

    printf("\n\n\n");

    delay(1500);

    printf("\t\t\tChoose your payment gateway:\n");

    delay(1000);

    e:

    textcolor(BROWN);

    printf("\t\t\t");

    cprintf("\t[1] Phone pay");

    printf("\n");

    printf("\t\t\t");

    cprintf("\t[2]Google pay");

    printf("\n\t\t\t");

    cprintf("\t[3]Paytm");

    printf("\n\n");

    scanf("%d",&pgate);

    printf("\t\t\t\t");

    delay(1000);

    if(pgate==1 || pgate==2 || pgate==3)

    {

    }

    else

    {       textcolor(LIGHTRED);

        cprintf("Choose a valid option!");

        goto e;

    }

    printf("Redirecting");

    delay(800);

    printf(".");

    delay(800);

    printf(".");

    delay(800);

    printf(".");

    delay(800);

    printf("\n");

    printf("\n\n");

    textcolor(YELLOW);

    printf("\t\t\t");

    cprintf("\tYour total cost is:%f",tcost);

    printf("\n\n");

    delay(1000);

    c:

    textcolor(WHITE);

    printf("\t\t\t");

    cprintf("\tEnter your UPI PIN");

    printf("\n\t\t\t\t");

    delay(300);

    for(i=0;i<4;i++)

    {

        pin[i]=getch();

        printf("\*");

    }

    pin[i]='\0';

    getch();

    delay(1000);

    if((strcmp(pin,"1234")==0))

    {

    }

    else

    {

        textcolor(RED);

        printf("\n\n\t\t\t");

        cprintf("\tEnter a valid PIN!");

        printf("\n\n");

        goto c;

    }

       printf("\n\n");

       printf("\t\t\t");

       textcolor(CYAN);

       cprintf("Payment successful!");

    printf("\n\n");

       delay(1500);

       printf("\t\tYour taxi will be available to you soon...\n\n");

    b:

    printf("\t\tEnter your mobile number for verificantion!:\n\n");

    scanf("%s",&pnum2);

    delay(1500);

    textcolor(YELLOW);

    printf("\t\t\t");

    cprintf("Verification sucessfull!");

    printf("\n");

    printf("\n\t\t\t");

    cprintf(" Have a great time...");

    printf("\n\n");

    delay(1500);

    textcolor(BROWN);

    cprintf("-----------------------------------------------------------------");

    printf("\n\t\t\t");

    cprintf("AFTER REACHING THE DESTINATION");

    printf("\n");

    cprintf("-----------------------------------------------------------------");

    printf("\n\n\n");

    delay(1500);

    printf("\t\t");

    printf("Your destination has been reached...!\n");

    printf("\t\t\t");

    printf("Hope you had a great time\n\n");

    f:

    printf("\t\t\tPlease rate our sevice\n");

    printf("\t\t\t\t1.\*\n\t\t\t\t2.\*\*\n\t\t\t\t3.\*\*\*\n\t\t\t\t4.\*\*\*\*\n\t\t\t\t5.\*\*\*\*\*\n");

    scanf("%d",&rating);

    switch(rating)

    {

        case 1:

        case 2:

        case 3:

        case 4:

        case 5: printf("\t\t\t\tThanks for your rating...!\n");

            printf("\t\t\t\tPress any key to exit");

//          delay(1000);

            getch();

            exit(0);

            break;

        default: printf("\t\t\tPlease provide a proper rating...!");

        goto f;

     }

     delay(2000);

getch();

}