MANAGE COURIER DELIVERIES

PROJECT REPORT

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CSE DEPARTMENT

C PROGRAMMING

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INTRODUCTION

PROJECT OVERVIEW

"MANAGE COURIER DELIVERIES "; this project is useful for the courier employees as well as customers to keep a track of deliveries details. The emerging of digital system made information available on finger tips. By automating the deliveries one can view the details as and when required in no time.

In this project , manage courier deliveries, the user can track the package to check where it is and the time it reached or left there, can update delivery status like time and place. This can used to manage delivery schedules and view that schedules. User can add address to it and delivery man can view that address.

PROBLEM STATEMENT

There is some difficult in managing Handling courier service manually cause user cannot access the information all together at once. The customer need to know where the package reached time after time. The sender need to update the location from each point. The courier schedules need to be managed and this should be viewed by the sender. The customer need to share the address and sender able view it. Sender's phone no should be available if the customer need to call him. The implementation of this project is to cover these needs into a dependable project.

OBJECTIVE

- Allows user to track the package
- Allows user to update the location
- Allows user to add manage delivery schedules
- Allows user to view the delivery schedules
- Allows user to add destination address
- Allows user to view the destination address
- Allows user to add delivery man’s phone no

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS :

- ❖ RAM requiremnts: 2 GB and above
- ❖ Storage :atleast 100mb

SOFTWARE REQUIREMENTS

- Operating System : Windows/Linus/MacOS
- Programming software: C
- Complier: GCC or any complier
- IDE: Code: Blocks,Dev-C++ or any other C IDE

DESIGN AND DEVELOPMENT

Description of PROGRAM LOGIC

- Defining a structure named pack with structure elements time, place, date, status
- Declare array shed to store delivery scheduled and address array to store adresss of customer.
- Main function
  - Giving name to struct pack as p1
  - Declaring 2D arrays for shed and address
  - Initializing a do-while loop
    - displaying the menu operation on the console
    - receiving the choice as numbers
    - switch control statement executes corresponding cases matching to number received in choice
      - **CASE 1**:dispalys date, time , status of the package with sender's phone no
      - **CASE 2**: Allows the sender to update the package details such as date, time, place, status
      - **CASE 3**: Allows the user to manage delivery schedules and stores in array shed
      - **CASE 4**: Displays the delivery schedules that were entered in case 3
      - **CASE 5**: Allows the customer to enter enter the address of the destination and stores in array address
      - **CASE 6**: Displays the destination address
      - **CASE 7**: Allows sender to give phone no and store in array ph
    - Checking whether the user want to continue or not and receivie a character to store in ch

- Check conditioon for do-while loop if true loop runs rlse loop ends and displays exiting and program ends…

PSEUDOCODE

START

Define structure:

Time:string[10]

Place:string[20]

Date:string[20]

Status:string[20]

Function main

STRUCT pack p1

Declare shed[50][20],address[50][20]

DO

DISPLAY "*****Delivery service****"

DISPLAY "1.Track package

2.Update delivery status

3.manage delivery schedules

4.schedule details

5.To add destination address

6.view destination details

7. add delivery man's phone no"

READ choice

CASE choice OF

```
                    CASE 1:WRITE p1.date,p1.time,p1.status,p1.place,ph
                    CASE 2:READ p1.date,p1.time,p1.status,p1.place
                    CASE 3:READ shed
                    CASE 4:WRITE shed
                    CASE 5:READ address
                    CASE 6:WRITE address
                    CASE 7:READ ph
               READ ch"
        REPEAT WHILE ch=='y' or ch=='Y'
WRITE "exiting…."
END
```

TESTING AND RESULTS

TEST CASES

1. **TRACK PACKAGE**
   Expected output:
   8203238342
2. **UPDATE DELIVERY STATUS**
   Input:
   2/6/24
   12:30PM
   Pambady
   reached
3. **MANAGE DELIVERY SCHEDULDES**

   Input:

   June 1:kanjikuzhi

   June 2:Pambady

   June 3: Vazhoor

   june 4:Ponkunnam

   June 5:kanjirappally before noon

   june 5:mundakayam after noon

4. **VIEW SCHEDULE DETIALS**
   Output:
   June 1:kanjikuzhi
   June 2:Pambady
   June 3: Vazhoor
   june 4:Ponkunnam

June 5:kanjirappally before noon
june 5:mundakayam after noon

5. **TO ADD DESTINATION ADDRESS**
   Input:
   Ramesh kurmar
   ABCD (H)
   Mundakayam
   102345678
6. **VIEW DESTINATION**
   Output:
   Ramesh kurmar
   ABCD (H)
   Mundakayam
   102345678

7. **DELIVERY MAN'S PHONE NO**
   Input :
   8203208342

   Output:

   8203238342

OUTPUT

```
PS C:\c programming> gcc microProj3.c -o microProj3
PS C:\c programming> ./microProj3
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:5

 No of lines recuried for address:4

Enter the address with phone no:
Ramesh kurmar
ABCD (H)
Mundakayam
1023456789

Do you want to continue (y/n):y
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:6

the destination address is:
Ramesh kurmar
ABCD (H)
Mundakayam
1023456789
```

```
Do you want to continue (y/n):y
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:3

Enter no of lines:6

Enter the schedule details:
June 1:kanjikuzhi
June 2:Pambady
June 3: Vazhoor
june 4:Ponkunnam
June 5:kanjirappally before noon
june 5:mundakayam after noon

Do you want to continue (y/n):y
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:4
```

```
Enter the choice:4

 Scheduled dates:
June 1:kanjikuzhi
June 2:Pambady
June 3: Vazhoor
june 4:Ponkunnam
June 5:kanjirappallyjune 5:mundakayam after noon
june 5:mundakayam after noon

Do you want to continue (y/n):y
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:7
Enter the phone number:8203238342
```

```
8203238642
Do you want to continue (y/n):y
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:2

Enter the date:2/6/24

Enter the time:12:30PM

Enter the place:Pambady

 Enter the status:Reached

Do you want to continue (y/n):y
****Delivery Service*****
1.Track package
2.Update delivery status
3.manage delivery schedules
4.shedule details
5.To add destination address
6.veiw destination detais
7.add delivery man's phone no
Enter the choice:1
```

```
  Enter the choice:1

  date:2/6/24
  time:12:30PM
  the pakage Reached at Pambady
  Phone no:6420193
  Do you want to continue (y/n):n

  exiting.....
```

DISCUSSION OF RESULTS

The code is successful and got expected outputs. This program helps the user to track , update status, manage schedules of the package and the customer's address and the sender able to view the address and give phone no.

CONCLUSION

SUMMARY OF THE PROJECT

MANAGE COURIER SERIVE offers the user to monitor the package movement, managing the schedules, giving and viewing the address, phonw no of the sender for the communication.

FUTURE ENCHANCEMENTS

- To store the delivery report on the database
- Real time package tracking
- Notifications to the customer

REFERENCES

Amazon (delivery method)

APPENDICES

CODE LISTING

```
#include <stdio.h>
struct pack{
    char time[10];
    char place[20];
    char date[10];
    char exp_date[10];
    char status[20];
};
int main()
{
    struct pack p1;
    int choice,m,n;
    char ch,shed[50][20],address[50][20],ph[10];
    do{
        printf("****Delivery Service*****");
        printf("\n1.Track package\n2.Update delivery status\n3.manage delivery
schedules\n4.shedule details");
        printf("\n5.To add destination address\n6.veiw destination detais\n7.add
delivery man's phone no");
        printf("\nEnter the choice:");
        scanf("%d",&choice);
        switch(choice){
            case 1:
                printf("\ndate:%s",p1.date);
                printf("\ntime:%s",p1.time);
                printf("\nthe pakage %s at %s",p1.status,p1.place);
                printf("\nPhone no:%d",ph);
                break;
            case 2:
                printf("\nEnter the date:");
                scanf("%s",p1.date);
                printf("\nEnter the time:");
                scanf("%s",p1.time);
                printf("\nEnter the place:");
                scanf("%s",p1.place);
                printf("\n Enter the status:");
                scanf("%s",p1.status);
                break;
case 3:
                printf("\nEnter no of lines:");
                scanf("%d",&n);
```

```
                printf("\nEnter the schedule details:\n");
                for (int i=0;i<n;i++)
                {
                    scanf(" %[^\n]",shed[i]);
                }
                break;
            case 4:
                printf("\n Scheduled dates:\n");
                for (int i=0;i<n;i++)
                {
                    printf("%s\n",shed[i]);
                }
                break;
            case 5:
                printf("\n No of lines recuried for address:");
                scanf(" %d",&m);
                printf("\nEnter the address with phone no:\n");
                for (int i=0;i<m;i++)
                {
                    scanf(" %[^\n]",address[i]);
                }
                break;
            case 6:
                printf("\nthe destination address is:\n");
                for (int i=0;i<m;i++)
                {
                    printf("%s\n",address[i]);
                }
                break;
            case 7:
                printf("Enter the phone number:");
                scanf(" %s",&ph);
                printf("\n%s",ph);
                break;

        }
        printf("\nDo you want to continue (y/n):");
        scanf(" %c",&ch);
    }while (ch=='Y'||ch=='y');
    printf("\nexiting.....");
    return 0;
}
```