



› jiit-buy-sell-portal

JIIT-62's SDF-2 2019 Even Sem Freshmen Year Mini Project. A mini buy, sell and rental service application will be created using C language; The user will have the option to upload their contents to sell, and also browse through varieties to buy or rent accessories which will be sorted using different categories.

› Project Contributors

Batch B-12

- Amrit Srivastava : 18104070
- Ishita Batra : 18104082
- Ankesh Bharti : 18104071
- Shubh Anand : 18104069

Features

Different categories include price range, rent time, or type of accessory (furniture, electronics, or books).

The modules will be as follows:

1. Uploading contents to resale or rent.
2. Browsing through various categories given as:
 - furniture resale/rent
 - electronic gadgets resale/rent
 - vehicles resale/rent
 - books resale/rent
3. The above subcategories will be further divided into sub-sub categories.
4. If resale is chosen, the resale cost uploaded by the seller will be shown. if rent is chosen, cost will be calculated on the time basis.

› Data Structures used and the reason behind

- A data structure is a specialised format for organising and storing data. General DS types include arrays, file, structure, trees, lists etc.
- The first and only data structure used is STRUCTURE to take details of the applicant and store details in the file by single object only.
- Structures and files are used in this project to improve efficiency and ease of variable access.
- We have not used any other data structure since that would be wastage of memory and would only serve to make the program complex.

› Functions Explained : Working

- createacc : writing data into file of various categories
- item-network : searching and displaying data
- admin-network : displaying all data
- buy-item : selling data by showing cost and removing the sold item from file
- rent-items : renting by input of time period and calculating cost accordingly
- sell-item : upload data for selling
- close shop : erase file

› Task Distribution

- Amrit Srivastava : 18104070 :- coded the buy_item and sell_item function entirely, the delay function and checked the coordinate functions with goto.

- Ishita Batra : 18104082 :- coded create account, and rent function and checked the utility by optimising the final code with minor changes.
- Ankesh Bharti : 18104071 :- helped with the structural approach, divided the functions, coded item_network and made the report doc.
- Shubh Anand : 18104069 :- brought up the project idea, and coded admin network code.

› Flow Chart

[Link to flow chart's pdf](#)

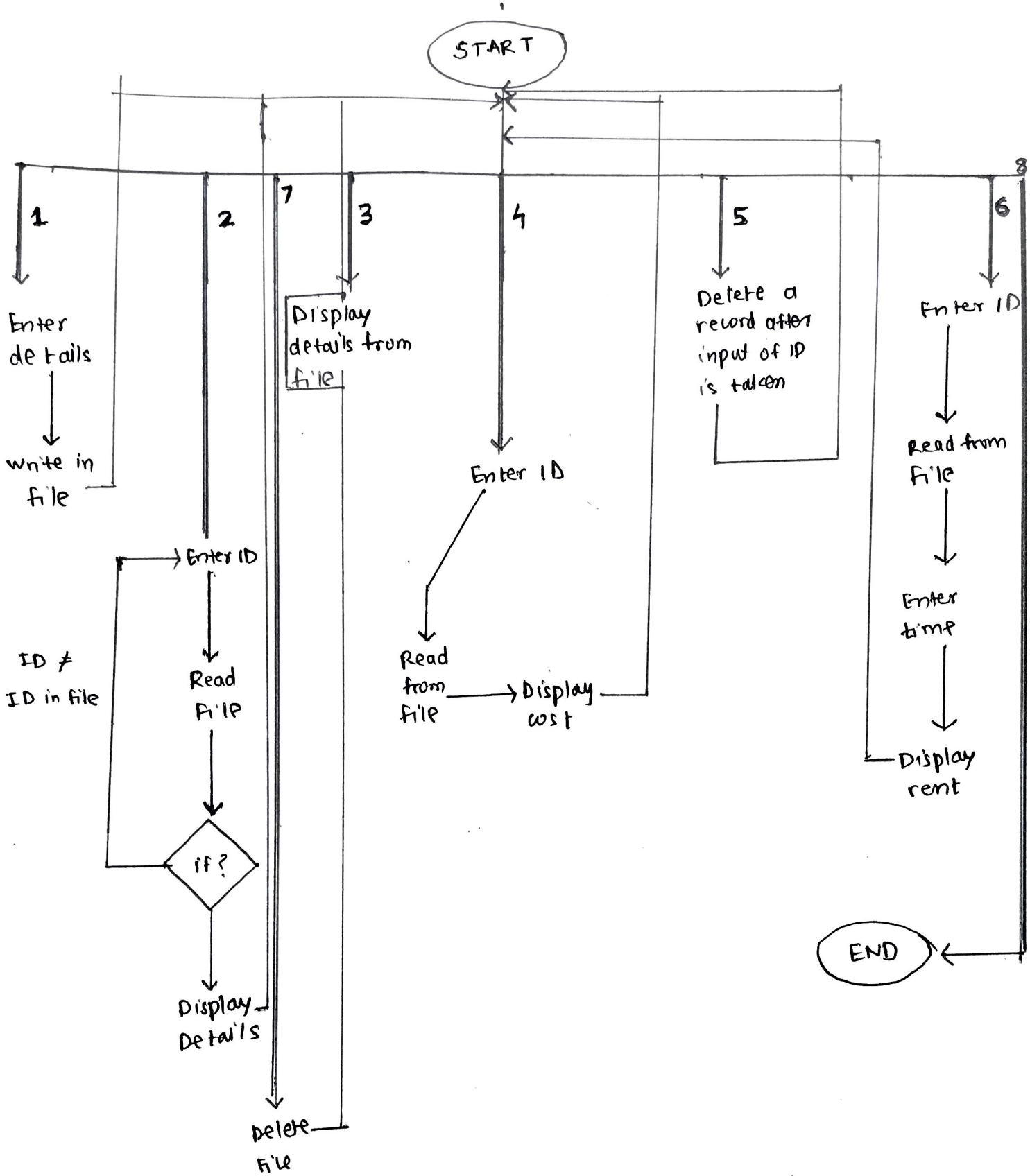
› Code

[Link to code's pdf](#)

› Results Screenshots

[Link to screenshot's pdf](#)

PS: Flowchart, code and results screenshots attached on further pages.



Screenshots

- ```
1. ADD AN ITEM
2. SEARCH AN ITEM IN LIST
3. ITEM LIST
4. SELL COST ITEM
5. SELL AN ITEM
6. RENT COST OF ITEM
7. CLOSE SHOP'S
8. EXIT
ENTER YOUR CHOICE(1-8):
```

[illegible]

Enter Item ID.: 10001

| ITEM NO. | NAME    | Type | COST  |
|----------|---------|------|-------|
| 10001    | Vivo V5 | E    | 35000 |

(2) OPTION: SEARCH

Enter Your 5-digit Item No.: 10002

Enter Item Name: Oppo F11

E-Electronics

B-Book

V-Vehicle

Enter Account Type(E\B\V): E

Enter Item Cost: 30000

THANKS FOR USING OUR SERVICES YOUR ITEM IS ADDED SUCCESSFULLY.....

(1): UPLOAD

```
=====
ITEM NO. NAME Type COST
=====
```

```
10001 Vivo V5 E 35000
10002 Oppo F11 E 30000
```

(3) : DISPLAY

-



Enter Item ID: 10001

Name of Item: Vivo V5

Item Type: Electronics

Sell Cost is: 41299

(4) : SELL COST ITEM

Enter Item ID: 10001

Name of Item: Vivo V5

Item Type: Electronics

Enter Time of Renting: 3

Sell Cost is: 21000

(6) : RENTING

| =====                |      |      |      |
|----------------------|------|------|------|
| ITEM NO.             | NAME | Type | COST |
| =====                |      |      |      |
| File doesn't exists_ |      |      |      |

(7) : DELETION