



› 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

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› 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.