**Data Structures:**

**Seller data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Seller Name** | **Seller phone number** | **Seller Business** | **Seller Password** |
| Mateen | 03101524679 | Electornics | 1244 |
| Saqib | 03045634564 | Books | 5432 |
| Ibrahim | 03234574323 | Mobile Shop | 9009 |

**Product list:**

|  |
| --- |
| **Products** |
| Mobiles |
| TV |
| Blankets |

|  |
| --- |
| **Prices** |
| 45000 |
| 35000 |
| 7000 |

**Function Prototypes:**

* **Void header()**
* **Char main\_menu()**
* **String parse(string row,int coloumn)**
* **Void clear\_screen()**

**Admin**

* **Char admin\_menu() //Default password is 1234**
* **Void add\_seller\_to\_array(string name,int phone\_num,string business,string pass)**
* **Void add\_seller()**
* **Void load seller\_to\_array()**
* **Void show\_seller\_data()**
* **Void delete\_seller()**
* **Void update\_seller()**
* **Void load\_seller\_data\_to\_array()**

**Seller**

* **Bool check\_product()**
* **Bool check\_seller()**
* **Int check\_name()**
* **Int seller\_menu()**
* **Void add\_product\_to\_array(string product,int price)**
* **Void add\_product()**
* **Void Load\_products\_to\_array()**
* **Void show\_products()**
* **Void sorting()**
* **Void store\_seller\_data\_to\_file()**
* **Void store\_products\_to\_file()**

**Customer**

* **Char customer\_menu()**
* **Void create\_account\_customer()**
* **Void add\_cust\_to\_array()**
* **Void show\_products\_cust()**
* **Void store\_cust\_data()**
* **Void load\_cust\_data()**

**Function Work Flow:**