**Amazon User table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data Type** | **Note** |
| user\_id | Unique id of a user | Int | Cannot be null |
| fname | First name of amazon user | varcar |  |
| lname | Last name of amazon user | varcar |  |
| address | Addres of customer, where things are shipped. | varcar | Canot be null |

**Buyer Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data Type** | **Note** |
| B\_ID | Unique id of buyer | Int | Can not be null |
| Email | The unique email of buyer | varcar | Can not be null |

**Seller Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data Type** | **Note** |
| S\_ID | Unique Id of seller | Int | Cannot be null |
| Email | Unique email of seller | varcar | Cannot be null |

**Buyer make purchase Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| B\_ID | Unique id of buyer | Int | Cannot be null. |
| P\_ID | Unique id of purchase | Int | Cannot be null |

**Seller receive purchase Table (Bridge table for Purchase and Seller)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data Type** | **Note** |
| purchase\_ID | Unique id of a purchase | Int | Cannot be null |
| seller\_ID | Unique id of a seller | Integer | Cannot be null |

**Seller offer items Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data Type** | **Note** |
| seller\_ID | Unique Id of a seller | Int | Cannot be null |
| I\_ID | Unique Id of item | Int | Can not be null |

**FeedBack Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data Type** | **Note** |
| f\_ID | Unique Id of a feedback | Int | Cannot be null |
| b\_ID | Unique ID of buyer | Int | Cannot be null. Comes from buyer table. |
| s\_ID | Unique ID of seller | Int | Cannot be null. Comes from seller table. |
| date | Time when the feedback is given | date | Should meet the standard of date |
| comment | Comment content of a feedback | varcar | Should be at least 5 words long |
| rating | Rating value of a specefic item during a feedback | float | Should be a value in the range of 0 to 5 |

**Item Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| item\_ID | Unique id of an item | Int | Cannot be null. Every item has his own id |
| name | Name of an item | varcar | Cannot be null. An item must have its name |
| price | Price of an item | float | Cannot be null. An item must have a price to complete a purchase. Price can be 0 but not negative number |
| Category | Category of an item | varcar |  |

Purchase Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| p\_ID | Unique id of an purchase | Int | Cannot be null. Every purchase has his own id |
| b\_ID | Unique buyer ID of buyer making purchase | Int | Cannot be null. Every buyer has a unique ID |
| s\_ID | Unique seller ID of seller receiving purchase |  |  |
| Tax | Tax for purchase | float | Can not be null |
| Date | Date for purchase | date | Should be standard of date |
| totalcost | The cost of purchase | float | Can not be null |

Credit card table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| Cnumber | Unique number of credit card | Int | Cannot be null. |
| B\_ID | Unique number of buyer | Int | Cannot be null |
| Expire date | Expire date of card | date | Cannot be null |
| Start date | Start date of card | idate | Cannot be null |
| cvv | Three digit on the back of card | Int | Cannot be null |

View table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| B\_ID | Unique id of an buyer | Int | Cannot be null. |
| I\_ID | Unique id of item | Int | Cannot be null |

Pays Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| p\_ID | The unique purchase ID. | Varcar | Cannot be null. Comes from purchase table |
| cnumber | The unique umber of credit card | Int | Cannot be null. Comes from credit card table. |

Contain Table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| P\_ID | Unique id of purchase | Int | Cannot be null. |
| qn | The number of an item | Int | Cannot be null.The buyer can buy several same items |
| I\_ID | The unique number of item | Int | Can not be null |

Offer table

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Definition** | **Data type** | **Note** |
| s\_ID | Unique seller ID | Int | Cannot be null. Comes from buyer table |
| item\_ID | Uniuqe item ID | Int | Cannot be null. Comes from buyer table |