

| addresses | | | |
|------------------|-----------|--|---------------------|
| Field | Data Type | Description | Example Data |
| id (PK) | INTEGER | The ID for this table (Required; auto-increment) | 2 |
| customer_id (FK) | INTEGER | The ID of the customer associated with address | 42 |
| is_billing | BOOLEAN | True if address is a billing address. Default: false | TRUE |
| recipient* | STRING | The name associated w/ an address for shipping purposes. | 'Ed Gruberman' |
| street_1* | STRING | The primary street and number associated with this address | '10 Downing Street' |
| street_2 | STRING | A secondary street and number associated with this address | 'Suite #101' |
| city | STRING | The name of the city associated with this address | Pittsburgh |
| state | STRING | The state abbreviation associated with this address | WV, PA |
| zip* | STRING | The zip code associated with this address | '03431', '15213' |
| active | BOOLEAN | true if active; false otherwise; should default to active | TRUE |

| customers | | | |
|-------------|-----------|---|--|
| Field | Data Type | Description | Example Data |
| id (PK) | INTEGER | The ID for this table (Required; auto-increment) | 2 |
| first_name* | STRING | The first name of the customer | 'Ed' |
| last_name* | STRING | The last name of the customer | 'Gruberman' |
| email | STRING | The email of the customer | dusty@cmu.edu ; ed@example.com |
| phone | STRING | The phone number of the customer | 412-268-8211; (412) 268-2323 |
| active | BOOLEAN | true if active; false otherwise; should default to active | TRUE |

* Indicates a non-key attribute that is required. All primary and foreign keys are required.

| orders | | | |
|------------------|-----------|--|----------------|
| Field | Data Type | Description | Example Data |
| id (PK) | INTEGER | The ID for this table (Required; auto-increment) | 2 |
| customer_id (FK) | INTEGER | The ID of the customer associated with order | 57 |
| address_id (FK) | INTEGER | The ID of the address associated with order | 21 |
| date* | DATE | The date the order was placed by the customer | 2025-02-03 |
| grand_total | FLOAT | Non-negative cost of all items in the order plus shipping cost | 22.50; 6.27 |
| payment_receipt | STRING | A base64 encoded string containing key data | cGF5bWVudF9... |