# Cats&Plants Vivariums Database Diagram

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## Customers

| Field | Type | Constraint |
|---|---|---|
| customerid | INT | Primary Key |
| email | String(40) | Not Null, Unique, |
| password | String(40) | Not Null |
| firstname | String(30) | Not Null |
| lastname | String(30) | Not Null |
| billaddress | String(50) | Null |
| shipaddress | String(50) | Null |
| city | String(30) | Null |
| state | String(30) | Null |
| postalcode | INT | Null |
| phone | String(11) | Null |

## Orders

| Field | Type | Constraint |
|---|---|---|
| orderid | INT | Primary Key |
| customerid | INT | Foreign Key |
| price | INT | Not Null |
| productid | INT | Foreign Key |
| quantitiy | INT | Not Null |
| orderdate | String(10) | Not Null |
| freight | INT | Not Null |
| shipaddress | String(50) | Not Null |
| shipcity | String(30) | Not Null |
| shipstate | String(30) | Not Null |
| shippostal | INT | Not Null |

## Product Categories

| Field | Type | Constraint |
|---|---|---|
| categoryid | INT | Primary Key |
| categoryname | String(30) | Not Null |
| description | String(30) | Not Null |

## Products

| Field | Type | Constraint |
|---|---|---|
| productid | INT | Primary Key |
| categoryid | INT | Foreign Key |
| productname | String(30) | Not Null |
| unitprice | INT | Null |
| inventory | INT | Null |
| description | String(50) | Not Null |

**Has** (Customers — Orders)

**Has** (Orders — Products)

**Has** (Products — Product Categories)