Entities, Attributes with Constraints.

1. Administrator:

* Email\_id : PRIMARY KEY

1. Categories:

* C\_id : UNIQUE
* Category\_Name : PRIMARY KEY, NOT NULL
* Parent\_category: FOREIGN KEY, DEFAULT ‘Top Category’

1. Cities:

* C\_id : PRIMARY KEY
* S\_id : NOT NULL, FOREIGN KEY
* C\_Name : NOT NULL

1. Images:

* Image\_id : PRIMARY KEY
* P\_id : FOREIGN KEY, NOT NULL
* Image\_link : DEFAULT 'https//google.co.in/images'

1. Order\_items:

* Product\_id : PRIMARY KEY, NOT NULL, FOREIGN KEY
* Order\_id : PRIMARY KEY, NOT NULL, FOREIGN KEY
* Itm\_price : NOT NULL
* Quantity : NOT NULL, DEFAULT ‘1’
* Ordr\_status: NOT NULL, DEFAULT ‘PENDING’

1. Orders:

* Order\_id : PRIMARY KEY
* Order\_timestamp : DEFAULT CURRENT\_TIMESTAMP, NOT NULL
* Shopper\_mail : FOREIGN KEY, NOT NULL
* Total\_amount : NOT NULL

1. Products:

* P\_id : PRIMARY KEY
* p\_Name : NOT NULL
* P\_price : NOT NULL
* Availability : NOT NULL

1. Products\_categories:

* Product\_id : PRIMARY KEY, NOT NULL
* Category\_id : PRIMARY KEY, NOT NULL

1. Shipping\_address:

* Address\_id : PRIMARY KEY
* Shopper\_mail: FOREIGN KEY, NOT NULL

1. Shopper:

* Email\_id : PRIMARY KEY, FOREIGN KEY

1. States:

* S\_id : PRIMARY KEY
* S\_Name : NOT NULL

1. User:

* Email\_id : PRIMARY KEY
* Name : NOT NULL

1. Zipcode:

* Zipcode : PRIMARY KEY
* C\_id : FOREIGN KEY, NOT NULL
* S\_id : FOREIGN KEY, NOT NULL