## Rewards

| | | |
|---|---|---|
| PK | reward_id | SERIAL |
| | username | VARCHAR(20) |
| | password | VARCHAR(20) |
| | first_name | VARCHAR(20) |
| | last_name | VARCHAR(30) |
| | email | VARCHAR(35) |
| | street_address | VARCHAR(35) |
| | city | VARCHAR(20) |
| | state | VARCHAR(20) |
| | zip | VARCHAR(20) |
| | country | VARCHAR(30) |
| | date_of_birth | DATE |

## Product_Costs

| | | |
|---|---|---|
| PK | product_costs_id | SERIAL |
| | soda_cost | DECIMAL(5,2) |
| | water_cost | DECIMAL(5,2) |
| | candy_cost | DECIMAL(5,2) |
| | hot_dog_cost | DECIMAL(5,2) |
| | brisket_sandwich_cost | DECIMAL(5,2) |
| | cheese_cup_cost | DECIMAL(5,2) |
| | cookie_dough_cup | DECIMAL(5,2) |
| | milk_shake | DECIMAL(5,2) |
| | ticket_cost | DECIMAL(5,2) |
| | rewards_membership_cost | DECIMAL(5,2) |
| FK | checkout_id | INTEGER |

## Concession_Purchase_Quantities

| | | |
|---|---|---|
| PK | concession_id | SERIAL |
| | soda | INTEGER |
| | water | INTEGER |
| | candy | INTEGER |
| | hot_dog | INTEGER |
| | brisket_sandwich | INTEGER |
| | cheese_cup | INTEGER |
| | cookie_dough_cup | INTEGER |
| | milk_shake | INTEGER |
| FK | checkout_id | INTEGER |

## Movie

| | | |
|---|---|---|
| PK | movie_id | SERIAL |
| | title | VARCHAR(25) |
| | time_length_min | INTEGER |
| | rating | VARCHAR(10) |
| | release_date | DATE |
| FK | show_room_id | INTEGER |

## Payment_Type

| | | |
|---|---|---|
| PK | payment_type_id | SERIAL |
| | credit_card | BOOLEAN |
| | cash | BOOLEAN |
| | gift_card | BOOLEAN |
| | check | BOOLEAN |
| | bitcoin | BOOLEAN |

## Checkout

| | | |
|---|---|---|
| PK | checkout_id | SERIAL |
| FK | reward_id | INTEGER |
| FK | staff_id | INTEGER |
| FK | payment_type_id | INTEGER |
| FK | cc_payment_id | INTEGER |

## E_Purchase

| | | |
|---|---|---|
| PK | e_purchase_id | SERIAL |
| FK | ticket_cart_id | INTEGER |
| FK | checkout_id | INTEGER |

## Booth_Purchase

| | | |
|---|---|---|
| PK | booth_purchase_id | SERIAL |
| FK | ticket_cart_id | INTEGER |
| FK | checkout_id | INTEGER |

## Show_Room

| | | |
|---|---|---|
| PK | show_room_id | SERIAL |
| | seat_1 | BOOLEAN |
| | seat_2 | BOOLEAN |
| | seat_3 | BOOLEAN |
| | seat_4 | BOOLEAN |
| | seat_5 | BOOLEAN |
| | seat_6 | BOOLEAN |
| | seat_7 | BOOLEAN |
| | seat_8 | BOOLEAN |
| | seat_9 | BOOLEAN |
| | seat_10 | BOOLEAN |
| | seat_11 | BOOLEAN |
| | seat_12 | BOOLEAN |
| | seat_13 | BOOLEAN |
| | seat_14 | BOOLEAN |
| | seat_15 | BOOLEAN |
| | seat_16 | BOOLEAN |
| | seat_17 | BOOLEAN |
| | seat_18 | BOOLEAN |
| | seat_19 | BOOLEAN |
| | seat_20 | BOOLEAN |
| | seat_21 | BOOLEAN |
| | seat_22 | BOOLEAN |
| | seat_23 | BOOLEAN |
| | seat_24 | BOOLEAN |
| | seat_25 | BOOLEAN |
| | seat_26 | BOOLEAN |
| | seat_27 | BOOLEAN |
| | seat_28 | BOOLEAN |
| | seat_29 | BOOLEAN |
| | seat_30 | BOOLEAN |
| | time | TIME |
| FK | theatre_id | INTEGER |

## CC_Payment_Info

| | | |
|---|---|---|
| PK | cc_payment_id | SERIAL |
| | cc_number | INTEGER |
| | exp_date | DATE |
| | security_code | INTEGER |

## Staff

| | | |
|---|---|---|
| PK | staff_id | SERIAL |
| | first_name | VARCHAR(20) |
| | last_name | VARCHAR(30) |

## Ticket_Rewards_Cart

| | | |
|---|---|---|
| PK | ticket_cart_id | SERIAL |
| | seat_numbers | VARCHAR |
| | new_rewards_member | BOOLEAN |
| FK | show_room_id | INTEGER |

## Theatre_Location

| | | |
|---|---|---|
| PK | theatre_id | SERIAL |
| | street_address | VARCHAR(35) |
| | city | VARCHAR(20) |
| | state | VARCHAR(20) |
| | zip | VARCHAR(20) |
| | country | VARCHAR(30) |

REASONING FOR ERD CHART

1. Each customer can have 0 or 1 reward id's.
2. Purchases come from either an e-purchase, a booth purchase or a concession purchase.
3. All purchases are associated with one checkout_id and one staff_id.
4. At a booth or through an e-purchase, only tickets and new rewards memberships may be purchased.
5. At a concession booth, purchases are only of the food items (no tickets or reward memberships). Data for a concession purchase is stored in the Concession_Purchase_Quanitities table.
6. Each ticket purchase will be associated with a Ticket_Rewards_Cart row. The seat_numbers column is a comma separated list of seat numbers. When data is initially entered, perhaps a function could run to set the Boolean value for each seat in the (Show_Room table) to No - 'No' meaning the seat is unavailable, and 'Yes' would mean that the seat is available purchase.
7. Each Show Room has only 30 tickets available for a particular date and time.
8. Each Theatre Location has multiple Show Rooms.
9. Each Movie can have one or many Show Rooms.
10. Associated with each purchase - there will be Product_Costs, Concession_Purchase_Quantities (all zero for e-purchases and boot purchase), and Ticket_Rewards_Cart (all zero for a concession purchase).