Group: bioluminescence

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GUI landing page:

http://cs509-group-project.s3-website-us-east-1.amazonaws.com/

Database storage tables:

```
CREATE TABLE 'Corporate' (
 'corporateID' int NOT NULL,
 'username' varchar(45) DEFAULT NULL,
 'password' varchar(45) DEFAULT NULL,
PRIMARY KEY ('corporateID'),
UNIQUE KEY 'corporateID_UNIQUE' ('corporateID')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
CREATE TABLE 'Items' (
'sku' varchar(20) NOT NULL.
'name' varchar(45) DEFAULT NULL,
'description' varchar(100) DEFAULT NULL,
'price' double DEFAULT NULL,
'shelfMaxQty' int DEFAULT NULL,
PRIMARY KEY ('sku'),
UNIQUE KEY 'SKU_UNIQUE' ('sku')
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
CREATE TABLE 'Locations' (
 'locationID' int NOT NULL AUTO_INCREMENT,
 'longitude' double DEFAULT NULL,
 'latitude' double DEFAULT NULL,
PRIMARY KEY ('locationID'),
UNIQUE KEY 'locationID_UNIQUE' ('locationID')
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
CREATE TABLE 'Managers' (
 'managerID' int NOT NULL AUTO_INCREMENT,
 'username' varchar(45) DEFAULT NULL,
 'password' varchar(45) DEFAULT NULL,
PRIMARY KEY ('managerID'),
UNIQUE KEY 'managerID_UNIQUE' ('managerID')
) ENGINE=InnoDB AUTO_INCREMENT=4 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```

```
CREATE TABLE 'Overstock' (
  'overstockID' int NOT NULL AUTO_INCREMENT,
  'storeID' int NOT NULL.
  'sku' varchar(45) NOT NULL
  'overstockQty' int DEFAULT NULL,
  PRIMARY KEY ('overstockID'),
  UNIQUE KEY 'overstockID_UNIQUE' ('overstockID'),
  KEY 'sku_idx' ('sku'),
  KEY 'fk_store_id_idx' ('storeID'),
  CONSTRAINT 'fk_sku_OverstockTable' FOREIGN KEY ('sku') REFERENCES 'Items' ('sku') ON DELETE CASCADE ON UPDATE CASCADE,
  CONSTRAINT 'fk_store_id_OverstockTable' FOREIGN KEY ('storeID') REFERENCES 'Stores' ('storeID') ON DELETE CASCADE ON UPDATE CASCADE
) ENGINE=InnoDB AUTO_INCREMENT=15 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
CREATE TABLE 'Placements' (
  'placementID' int NOT NULL AUTO INCREMENT.
  'sku' varchar(20) DEFAULT NULL,
  'storeID' int DEFAULT NULL,
  'aisle' int DEFAULT NULL,
  'shelf' int DEFAULT NULL,
  'shelfQty' int DEFAULT NULL,
 PRIMARY KEY ('placementID')
  UNIQUE KEY 'placementID_UNIQUE' ('placementID'),
  KEY 'fk_sku_placementsTable_idx' ('sku'),
  KEY 'fk_storeID_placementsTable_idx' ('storeID'),
 CONSTRAINT 'fk_sku_placementsTable' FOREIGN KEY ('sku') REFERENCES 'Items' ('sku') ON DELETE SET NULL ON UPDATE CASCADE, CONSTRAINT 'fk_storeID_placementsTable' FOREIGN KEY ('storeID') REFERENCES 'Stores' ('storeID') ON DELETE SET NULL ON UPDATE CASCADE
) ENGINE=InnoDB AUTO_INCREMENT=9 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
CREATE TABLE 'Stores' (
  'storeID' int NOT NULL AUTO_INCREMENT,
  'name' varchar(45) DEFAULT NULL,
 'locationID' int DEFAULT NULL,
 'managerID' int DEFAULT NULL,
 'corporateID' int DEFAULT '1'.
 PRIMARY KEY ('storeID'),
UNIQUE KEY 'storeID_UNIQUE' ('storeID'),
 KEY 'corporateID_idx' ('corporateID'),
 KEY 'fk_locationID_idx' ('locationID')
 KEY 'fk_managerID_idx' ('managerID'),
 CONSTRAINT fk_corporate_ID FOREIGN KEY ('corporateID') REFERENCES 'Corporate' ('corporateID') ON DELETE SET NULL ON UPDATE CASCADE,
 CONSTRAINT 'fk_location_ID_StoresTable' FOREIGN KEY ('locationID') REFERENCES 'Locations' ('locationID') ON DELETE SET NULL ON UPDATE CASCADE
 CONSTRAINT 'fk_manager_ID_StoresTable' FOREIGN KEY ('managerID') REFERENCES 'Managers' ('managerID') ON DELETE SET NULL ON UPDATE CASCADE
```

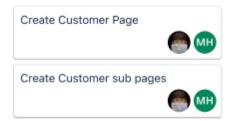
Git Commit Logs:

https://github.com/iJustinCabral/cloud_store/pulse



Trello Tasking Board

To-Do



In-Progress

Finished Tasks

Iteration 1 Completed

