

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

Duran, Jonathan (161455340) > CS509 Lambdas Functions > **Commits**

main	cs509-lambdas-functions	Author	Search by message	
07 Nov, 2022 4 commits				
	Nov 7 end of paired programming session with Miles EC2 Default User authored 1 day ago		414e22f5	
	Nov 7 commit EC2 Default User authored 1 day ago		04747537	
	Upload New File Duran, Jonathan (161455340) authored 1 day ago		6a4a3a64	
	Initial commit Duran, Jonathan (161455340) authored 1 day ago		2f607062	

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Trello Tasking Board



To-Do

Create Customer Page



Create Customer sub pages



In-Progress

Finished Tasks

Iteration 1 Completed

Authenticate Manager User

🔔 2 👁



Authenticate Corporate User

🔔 1 👁



Finished Create item use case

🔔 1 👁



Finished Create Store Use Case

🔔 1 👁



Add default pages for each use case

Fixed rendering bugs on Manager's
Process Inventory Report Page

generate_inventory_report_lambda



process_shipment_lambda



create_item_lambda



create_store_lambda



assign_item_location_lambda



💬 1

✉ 2/2



Query Database on AWS Backend



Create Database Schema



✉ 7/7



Create corporate page



Create manager page



Create main landing page



Create initial React Project



Created the GitHub repository

