

```
-- CREATED BY JIMMY BOWENS --  
-- NOVEMBER 27, 2014 --  
-- JAVA DATABASE PROJECT --
```

```
DROP SCHEMA IF EXISTS GSCookieDB;
```

```
CREATE SCHEMA IF NOT EXISTS `GSCookieDB` DEFAULT CHARACTER SET utf8 ;  
USE `GSCookieDB` ;
```

```
CREATE TABLE IF NOT EXISTS `GSCookieDB`.`VOLUNTEER` (  
  `VOLUNTEER_ID` INT(11) NOT NULL AUTO_INCREMENT,  
  `FIRSTNAME` VARCHAR(255) NULL DEFAULT NULL,  
  `LASTNAME` VARCHAR(255) NULL DEFAULT NULL,  
  `PHONE` VARCHAR(45) NULL DEFAULT NULL,  
  PRIMARY KEY (`VOLUNTEER_ID`))  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8;
```

```
CREATE TABLE IF NOT EXISTS `GSCookieDB`.`TROOP` (  
  `TROOP_ID` INT(11) NOT NULL AUTO_INCREMENT,  
  `ADDRESS` VARCHAR(255) NOT NULL,  
  `CITY` VARCHAR(255) NULL DEFAULT NULL,  
  `STATE` VARCHAR(45) NULL DEFAULT NULL,  
  `MANAGER` INT(11) NULL DEFAULT NULL,  
  PRIMARY KEY (`TROOP_ID`),  
  INDEX `FK_TROOP_TO_VOLUNTEER_idx` (`MANAGER` ASC),  
  CONSTRAINT `FK_TROOP_TO_VOLUNTEER`  
    FOREIGN KEY (`MANAGER`)  
    REFERENCES `GSCookieDB`.`VOLUNTEER` (`VOLUNTEER_ID`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8;
```

```
ALTER TABLE `GSCookieDB`.`TROOP`  
  ADD CONSTRAINT `FK-TROOP-VOLUNTEER`  
  FOREIGN KEY (`MANAGER` )  
  REFERENCES `gscookieb`.`VOLUNTEER` (`VOLUNTEER_ID` )  
  ON DELETE CASCADE  
  ON UPDATE CASCADE;
```

```
CREATE TABLE IF NOT EXISTS `GSCookieDB`.`SCOUT` (  
  `SCOUT_ID` INT(11) NOT NULL AUTO_INCREMENT,  
  `FIRSTNAME` VARCHAR(255) NULL DEFAULT NULL,
```

```

`LASTNAME` VARCHAR(255) NULL DEFAULT NULL,
`PHONE` VARCHAR(45) NULL DEFAULT NULL,
`EMAIL` VARCHAR(255) NULL DEFAULT NULL,
`BIRTHDATE` DATE NULL DEFAULT NULL,
`START_DATE` DATE NULL DEFAULT NULL,
`PARENT_FIRSTNAME` VARCHAR(255) NULL DEFAULT NULL,
`PARENT_LASTNAME` VARCHAR(255) NULL DEFAULT NULL,
`ADDRESS` VARCHAR(255) NULL DEFAULT NULL,
`CITY` VARCHAR(45) NULL DEFAULT NULL,
`STATE` VARCHAR(45) NULL DEFAULT NULL,
`ZIPCODE` VARCHAR(10) NULL DEFAULT NULL,
`TROOP_ID` INT(11) NULL DEFAULT NULL,
PRIMARY KEY (`SCOUT_ID`),
INDEX `FK_idx` (`TROOP_ID` ASC),
CONSTRAINT `FK`
    FOREIGN KEY (`TROOP_ID`)
    REFERENCES `GSCookieDB`.`TROOP` (`TROOP_ID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8;

```

```

CREATE TABLE IF NOT EXISTS `GSCookieDB`.`CUSTOMER` (
    `CUSTOMER_ID` INT(11) NOT NULL AUTO_INCREMENT,
    `FIRSTNAME` VARCHAR(255) NOT NULL,
    `LASTNAME` VARCHAR(255) NOT NULL,
    `PHONE` VARCHAR(45) NOT NULL,
    `SCOUT_ID` INT NOT NULL,
    PRIMARY KEY (`CUSTOMER_ID`),
    INDEX `FK_TO_SCOUT_idx` (`SCOUT_ID` ASC),
    CONSTRAINT `FK_TO_SCOUT`
        FOREIGN KEY (`SCOUT_ID`)
        REFERENCES `GSCookieDB`.`SCOUT` (`SCOUT_ID`)
        ON DELETE CASCADE
        ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8;

```

```

CREATE TABLE IF NOT EXISTS `GSCookieDB`.`SHIPMENT` (
    `SHIPMENT_ID` INT(11) NOT NULL AUTO_INCREMENT,
    `DATE` DATE NOT NULL,
    `SCOUT_ID` INT(11) NOT NULL,
    `RECEIVED` INT(11) NOT NULL,
    PRIMARY KEY (`SHIPMENT_ID`),

```

```

INDEX `FK_TO_SCOUT_idx` (`SCOUT_ID` ASC),
CONSTRAINT `FK_SHIPMENT_TO_SCOUT`
  FOREIGN KEY (`SCOUT_ID`)
  REFERENCES `GSCookieDB`.`SCOUT` (`SCOUT_ID`)
  ON DELETE CASCADE
  ON UPDATE CASCADE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8;

CREATE TABLE IF NOT EXISTS `GSCookieDB`.`PRODUCT` (
  `PRODUCT_ID` INT(11) NOT NULL AUTO_INCREMENT,
  `PRODUCT_NAME` VARCHAR(255) NOT NULL,
  `PRODUCT_DESCRIPTION` VARCHAR(512) NULL DEFAULT NULL,
  `RETAIL_PRICE` DECIMAL(9,2) NOT NULL,
  PRIMARY KEY (`PRODUCT_ID`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8;

CREATE TABLE IF NOT EXISTS `GSCookieDB`.`INVENTORY` (
  `INVENTORY_ID` INT(11) NOT NULL AUTO_INCREMENT,
  `QUANTITY` INT(11) NOT NULL,
  `PRODUCT_ID` INT(11) NOT NULL,
  `TROOP_ID` INT(11) NOT NULL,
  `SHIPMENT_ID` INT(11) NOT NULL,
  PRIMARY KEY (`INVENTORY_ID`),
  INDEX `FK_TO_SHIPMENT_idx` (`SHIPMENT_ID` ASC),
  INDEX `FK_INVENTORY_TO_TROOP_idx` (`TROOP_ID` ASC),
  INDEX `FK_INVENTORY_TO_PRODUCT_idx` (`PRODUCT_ID` ASC),
  CONSTRAINT `FK_INVENTORY_TO_SHIPMENT`
    FOREIGN KEY (`SHIPMENT_ID`)
    REFERENCES `GSCookieDB`.`SHIPMENT` (`SHIPMENT_ID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  CONSTRAINT `FK_INVENTORY_TO_TROOP`
    FOREIGN KEY (`TROOP_ID`)
    REFERENCES `GSCookieDB`.`TROOP` (`TROOP_ID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
  CONSTRAINT `FK_INVENTORY_TO_PRODUCT`
    FOREIGN KEY (`PRODUCT_ID`)
    REFERENCES `GSCookieDB`.`PRODUCT` (`PRODUCT_ID`)
    ON DELETE CASCADE
    ON UPDATE CASCADE)
ENGINE = InnoDB

```

```
DEFAULT CHARACTER SET = utf8;
```

```
CREATE TABLE IF NOT EXISTS `GSCookieDB`.`MONEY` (  
  `TRANSACTION_ID` INT(11) NOT NULL AUTO_INCREMENT,  
  `AMOUNT` DECIMAL(9,2) NOT NULL,  
  `DATE` DATE NOT NULL,  
  `SCOUT_ID` INT(11) NOT NULL,  
  `TROOP_ID` INT(11) NOT NULL,  
  PRIMARY KEY (`TRANSACTION_ID`),  
  INDEX `FK_MONEY_TO_TROOP_idx` (`TROOP_ID` ASC),  
  INDEX `FK_MONEY_TO_SCOUT_idx` (`SCOUT_ID` ASC),  
  CONSTRAINT `FK_MONEY_TO_TROOP`  
    FOREIGN KEY (`TROOP_ID`)  
    REFERENCES `GSCookieDB`.`TROOP` (`TROOP_ID`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE,  
  CONSTRAINT `FK_MONEY_TO_SCOUT`  
    FOREIGN KEY (`SCOUT_ID`)  
    REFERENCES `GSCookieDB`.`SCOUT` (`SCOUT_ID`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8;
```

```
CREATE TABLE IF NOT EXISTS `GSCookieDB`.`ORDER` (  
  `ORDER_ID` INT(11) NOT NULL AUTO_INCREMENT,  
  `DATE` DATE NOT NULL,  
  `SCOUT_ID` INT(11) NOT NULL,  
  `CUSTOMER_ID` INT(11) NOT NULL,  
  `STATUS` INT(11) NOT NULL,  
  PRIMARY KEY (`ORDER_ID`),  
  INDEX `FK_idx` (`SCOUT_ID` ASC),  
  INDEX `FK_TO_CUSTOMER_idx` (`CUSTOMER_ID` ASC),  
  CONSTRAINT `FK_ORDER_TO_SCOUT`  
    FOREIGN KEY (`SCOUT_ID`)  
    REFERENCES `GSCookieDB`.`SCOUT` (`SCOUT_ID`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE,  
  CONSTRAINT `FK_ORDER_TO_CUSTOMER`  
    FOREIGN KEY (`CUSTOMER_ID`)  
    REFERENCES `GSCookieDB`.`CUSTOMER` (`CUSTOMER_ID`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB
```

```
DEFAULT CHARACTER SET = utf8;
```

```
CREATE TABLE IF NOT EXISTS `GSCookieDB`.`PRODUCT_ORDER` (  
  `PRODUCT_ID` INT(11) NOT NULL,  
  `ORDER_ID` INT(11) NOT NULL,  
  `QUANTITY` INT(11) NOT NULL,  
  PRIMARY KEY (`PRODUCT_ID`, `ORDER_ID`),  
  INDEX `FK_PRODUCT_ORDER_TO_ORDER_idx` (`ORDER_ID` ASC),  
  CONSTRAINT `FK_PRODUCT_ORDER_TO_ORDER`  
    FOREIGN KEY (`ORDER_ID`)  
      REFERENCES `GSCookieDB`.`ORDER` (`ORDER_ID`)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE)  
ENGINE = InnoDB  
DEFAULT CHARACTER SET = utf8;
```