

Report

I use Python and flask for the WelcomeHome Project. I made 2 changes to the schema, one is add availability to the item table to make sure if it's still active, another is add a accepted for donatedby to check if the donation is accepted by the staff. For additional features, I did start an order and Add to the current order. I assume only staff can deal with the order, so if you are not the staff, then you cannot do anything about the order except finding it.

Main Queries:

```
"INSERT INTO Item
(iDescription,photo,color,isNew,hasPieces,material,mainCategory,subCategory,availability) "
"VALUES (%s, %s, %s, %s, %s,%s,%s,%s,%s)"
```

```
'SELECT roleID From Act WHERE username = %s and roleID = 4'
```

```
SELECT roleID From Act WHERE username = %s and roleID = 1
```

```
'SELECT itemID,pDescription as PieceName, mainCategory, subCategory, roomNum,
shelfNum FROM ItemIn NATURAL JOIN Piece NATURAL JOIN Item where orderID = %s
order by itemID asc;'
```

```
'SELECT * From Item Natural Join Donatedby WHERE itemID = %s and availability =
1 and accepted = 1'
```

```
"INSERT INTO Person (username,password,fname,lname,email) "
"VALUES (%s, %s, %s, %s, %s)"
```

```
"INSERT INTO Act (username,roleID) "
"VALUES (%s, %s)"
```

```
"SELECT 1 FROM Person WHERE username = %s"
```

```
"INSERT INTO Ordered (orderID,orderDate, orderNotes,supervisor,client) "
"VALUES (%s,%s, %s,%s,%s)"
```

```
'Select * From Item Natural Join Donatedby Where maincategory = %s and
availability = 1 and accepted = 1'
```

```
"INSERT INTO Itemin (itemID, orderID,found) "
"VALUES (%s,%s, %s)"
```

Difficulties: First time working with frontend, it's hard to do the html stuff.

Lesson Learned: How to code using Python flask and how to connect to database using pymysql. How to do the webpage based on the value we passed in when we render the template.

I work on my own, so I did everything.