

Registry

Orders

Taxes

Products

> Dictionary / Query (?)

Menu

Loop while true

Display <sup>Clear screen</sup> menu options

Prompt user for selection

~~Validate selection~~

~~if valid, end loop~~

~~else give message and continue loop~~

Process selection

1) Display orders

2) Add orders

3) Edit Order

4) Remove order

5) Quit

Anything else give <sup>error</sup> message and p

Repeat loop

## Display orders

1) Loop while true

Prompt user for date

If not valid date

give message & prompt again

If valid date

Try to load order repository

If no file or no orders, give message  
& prompt again

If For each order in the order repository  
Format & display order

## Add an order

- 1) Prompt for date  
Make sure it is a valid date  
If valid, check to make sure it is a future date  
If future date continue else ~~prompt~~ message & prompt again.
- 2) Prompt for customer name  
Validate input  
If valid, continue else message and prompt again
- 3) ~~prompt for state~~ <sup>list states</sup>  
Prompt for state  
~~Validate against tax repository~~  
If in file, continue else ask for another
- 4) ~~prompt for product type~~ <sup>list product types</sup>  
Prompt for product type  
~~Validate against product repository~~  
If not
- 5) Prompt for order size  
Validate that it is a valid number & is  $\geq 100$
- 6) Calculate additional fields
- 7) Display order info
- 8) Prompt to place order  
If Y ~~add to repository & save repository~~  
generate order number  
add order to repository  
Save repository

Edit order

Prompt for date

Validate ~~date~~ input

If valid date, ~~load repository~~ continue

Prompt for order number

If order <sup>not</sup> found, message and return to menu

2) Prompt for new customer name (displaying old name)

If something entered, validate name

If valid continue else message and ~~rep~~ repeat prompt (2)

3) Prompt for State (displaying old state)

If something entered, validate state

If valid state, set recalculate flag  
continue

else

message, repeat prompt (3)

else

continue

4) Prompt for Product (displaying old product)

If something entered, validate product

If valid, set recalculate  
continue

else

message, repeat prompt (4)

else  
continue

## Edit order (cont'd)

- 5) Prompt for new area (displaying old area)  
If something entered, validate that it is  
a number & if is, greater than or equal 100.  
If valid, set recalculate  
Continue  
else  
message, repeat prompt (5)

- 6) If recalculate,  
Recalculate affected fields  
~~update order with new fields~~  
Display order information  
Prompt whether to update order or not  
If update  
Update order with new fields  
Save order  
Return to menu  
else  
Just return Message verifying  
changes cancelled & return to  
menu

Remove order

3/

Prompt for date

Validate date

If valid date, ~~continue~~

Check for existence of order file

If found, ~~continue~~ load + ~~continue~~

else message, prompt for new date

1/

Prompt for order

Check for order in repository

If found, ~~continue~~

else message, repeat prompt (1)

2/

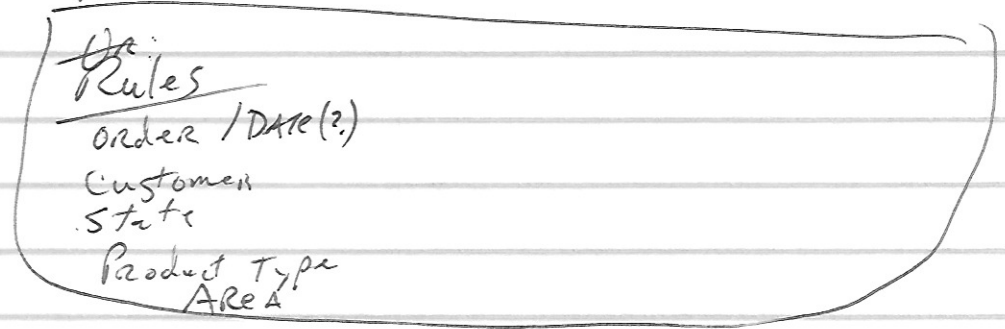
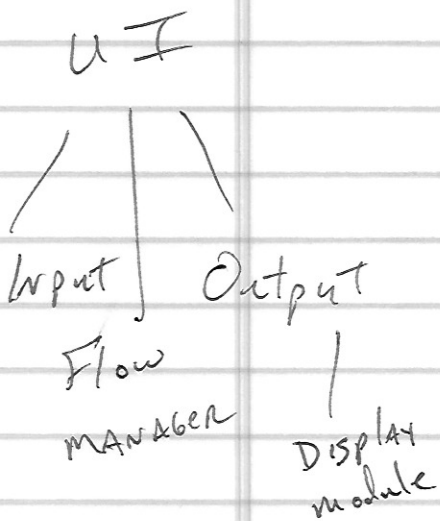
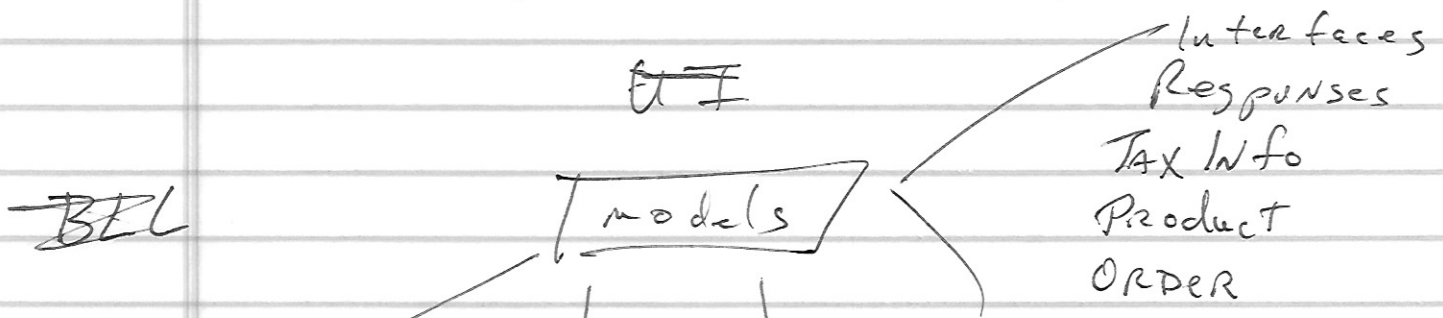
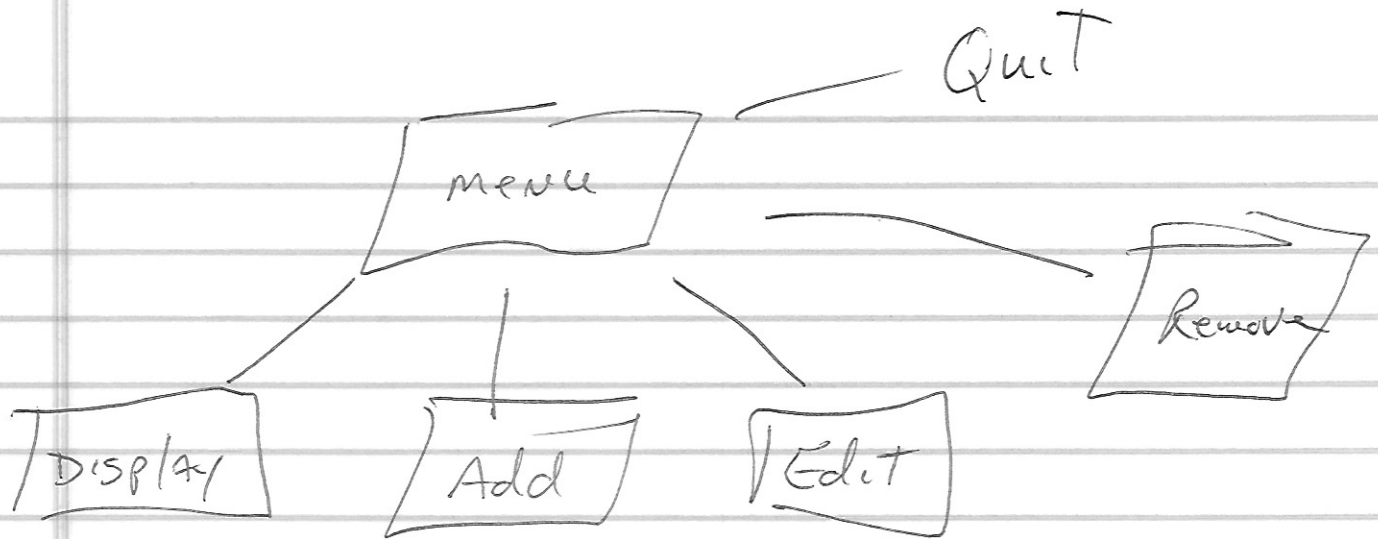
Display order info

Prompt for permission to remove order

If yes, Remove order; ~~update~~ <sup>save</sup> repository

~~If so~~, Message confirmation of ~~removal~~ <sup>Removal</sup>  
else

Message confirming that no changes  
made, return to menu





## ~~BLL~~ Models

### Responses

Order Lookup

Order Add

Order Edit

Order Remove

Response

### Interfaces

I Order Repository

I Tax Info Repository

I Product Repository

### Models

Order

TaxInfo

Product

BLL    Order MANAGER

Add Rules

Edit Rules

Remove Rule

UI

Lookup Workflow

Add Workflow

Edit Workflow

Remove Workflow

Input

Prompts

Output

Order Display

Menu



DATA

TEST ORDER

TEST TAX INFO

TEST PRODUCT

ORDER

TAX INFO

PRODUCT

KY 6%

IN 7%

OH 7.14%

"

.. \ .. \ .. \ FLOORING MASTERY, DATA \ FLAT FILES \ TAX INFO. <sup>CSV</sup> ~~txt~~

LOAD ORDERS

GET ORDER

SAVE ORDER