

Lab 5 - Part One

Req:

- Use Case description for "Prep Bills"
- 1+ UI sketches, showing bill prep & how Server will interact to prep bills.
- Seq diagrams for each significant interaction with bill prep UI.

Prep Bills Use-Case

preconditions:

- Server is logged-in to Server view and at least 1 table has made an Order

1. the Server presses the "Create Bills" button
2. the system prints a list of items on it with price, and prints the total at the bottom
3. the system saves the bill to a bill log and the table is emptied (cleaned)

2. UI Drawings

Controller = Order Controller

Food

Food

Food

Food

Food

0 FOOD \$5
 0 FOOD \$5
 0 FOOD \$5
 0 FOOD \$5
 0 FOOD \$5

⋮

Receipt

Table #

Seat 1
(Food Price)
Seat 2
(Food Price)

Table #

Seat 1
(Food Price)

Table #

Seat 1
(Food Price)
Seat 2
(Food Price)

⋮

Controller = Table Controller



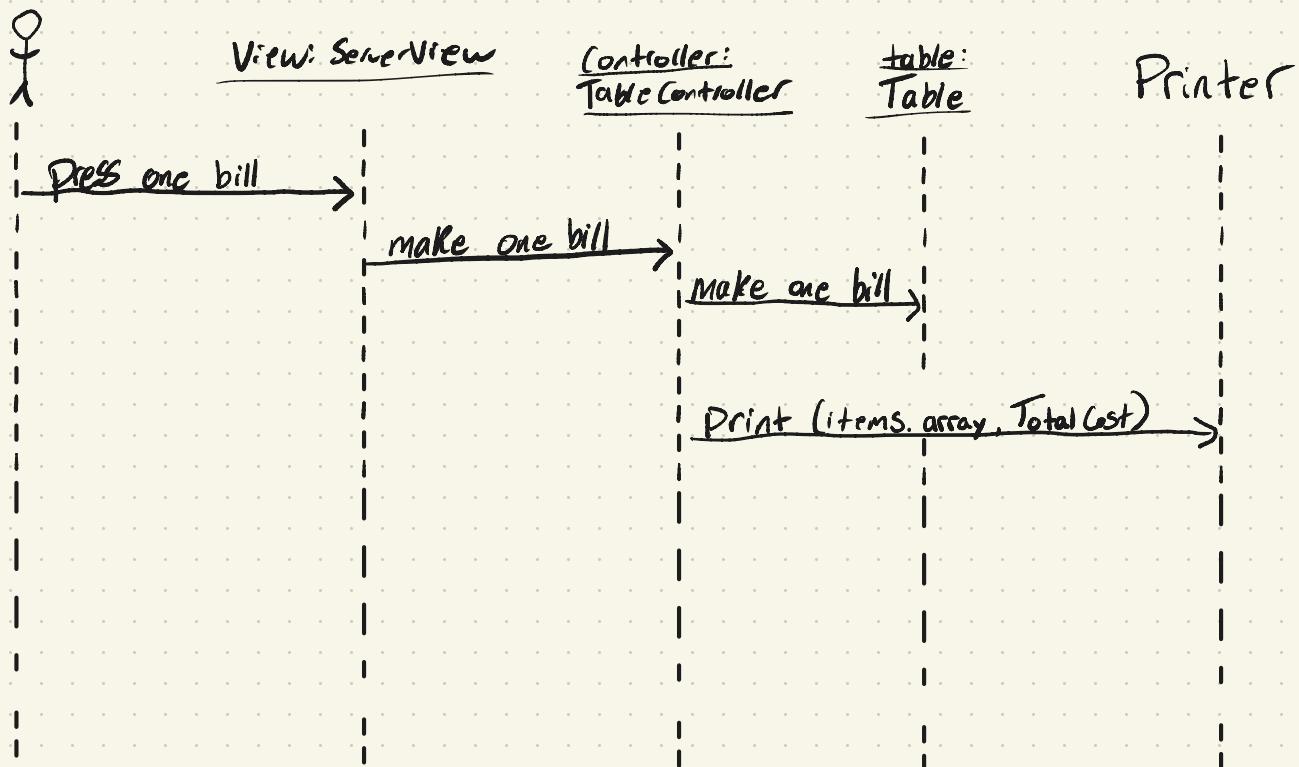
One Bill

Split Bills in ½

All Separate Bills

DONE

One Bill Seq Diagram



Split Bill Seq Diagram

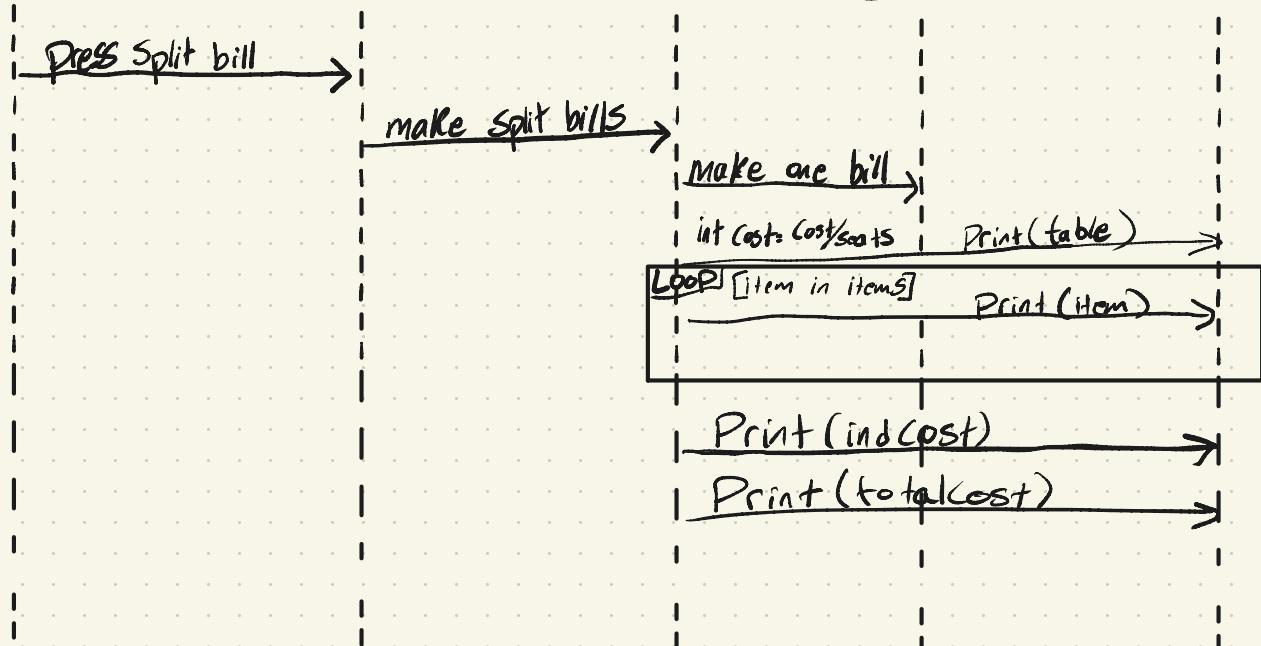


View: ServerView

Controller:
TableController

table:
Table

Printer



Separate Bill Seq Diagram



View: ServerView

Controller:
TableController

table:
Table

Printer

Press separate bill →

makeSeparateBills(Printer)

Loop [Seat in n seats]

MakeSeparateBills(Seat) →

print(Seat) →

loop [Item in Items]

print(item) →

print(total) →