

## User Input Handler

- Keyboard Input : Scanner
- Output Text : String

### + User Input Handler

- + Confirm Input boolean
- + exit void
- + get Avg Num (float, int) float
- + get Matched Items (String, String) boolean
- + get Num (String, int) String
- + ~~get Sorted Priority~~
- + get String (String) String
- + get Sum Num (Float[], int) float
- + process Output (String) String

## Shopping List

- + exit (int) void
- + main (String[]) void

### Printer (Interface)

- + printToFile void

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## Cart (Interface)

- + add Item void
- + remove Item "
- + view Item "
- + view Price "

## Input Validator

- Validation Errors : String
- + Validate : boolean
- + Validate String : "
- + Validate Num : "

### Error better

- bad Input : String
- + get Errors

## TechStore extends Products

- Item Menu String
- item Name String
- menu Length String
- price Idx String[]
- prices String[]
- + TechStore
- + getItemName (int) String
- + getItemPrice (int) String
- + show Catalog () void

## Products (abstract)

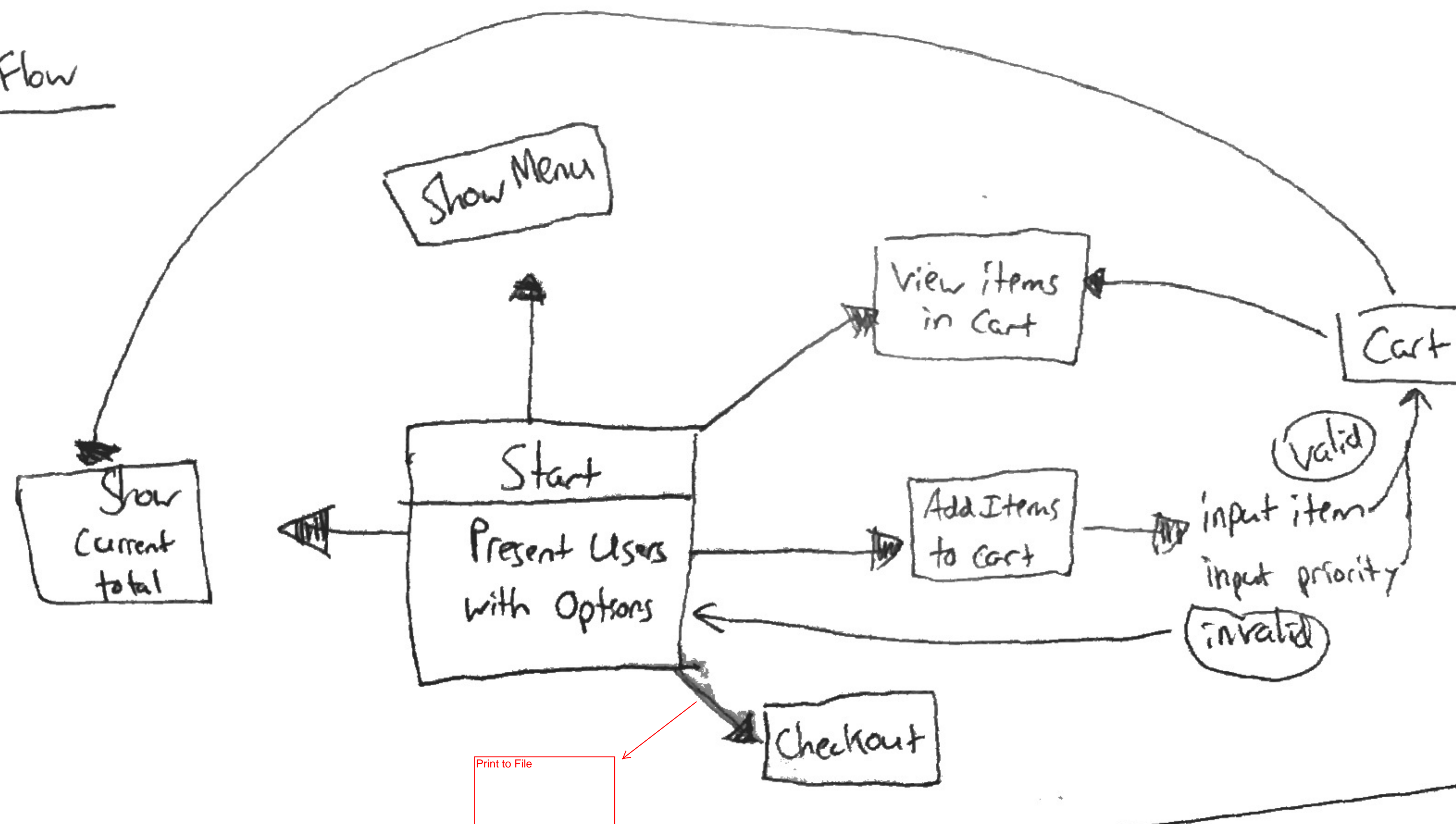
- Name String
- Price "
- Qty "
- + getName String
- + getPrice "
- + get Qty "
- + setName void
- + set Price "
- + set Qty "

## MySessionCart implements Cart

- Cart Detail String
- itemName String
- itemIdx String
- priorityIdx String
- mappedItems Map
- + add Item void
- + add Item (String, String) String
- + completePurchase (String, float) String
- + get Prices In Cart (String) float
- + remove Item void
- + view Cart string
- + view Item void
- + view Price "



## Workflow



## Test Cases

- test connection to Store/product  
→ testing abstract
- test connection to cart/session  
→ testing interface
- test checkout  
→ Sorting methods