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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

Cart (interface)

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

Input Validator

- Validation Errors : String

+ Validate   : boolean
+ Validate String   : "
+ validate Num   : "

Error Getter

- bad Input   : String

+ get Errors

Tech Store extends Products

- Item Menu   String
- item Name   String
- menu Length   String
- price Idx   String[]
- prices   String[]

+ Tech Store
+ get Item Name(int) String
+ get Item Price(int) String
+ show Catalog( )   void

Products (abstract)

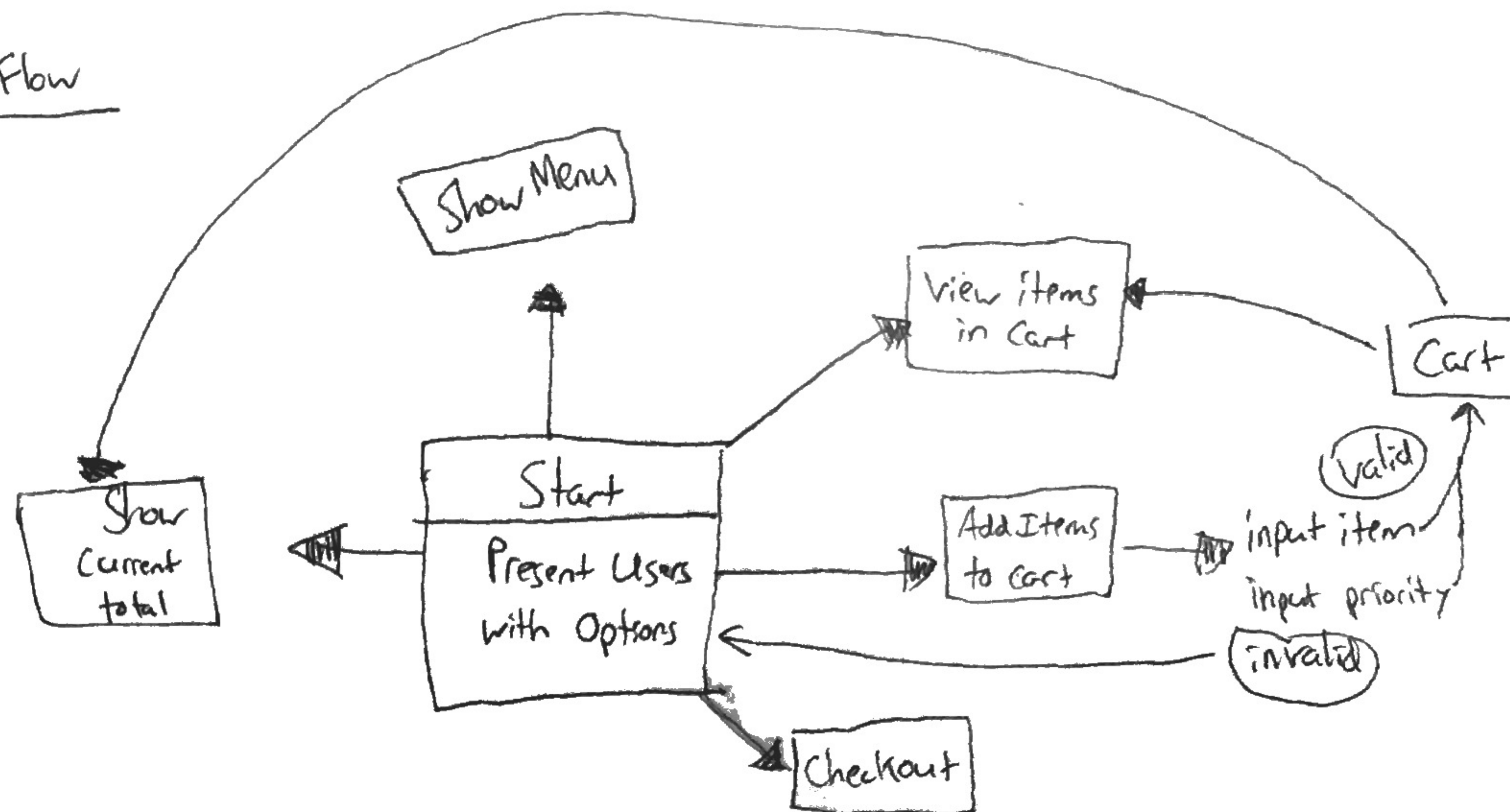- Name   String
- Price   "
- Qty   "

+ get Name   String
+ get Price   "
+ get Qty   "
+ set Name   void
+ set Price   "
+ set Qty   "

MySession Cart implements Cart

- Cart Detail   String
- itemName   String
- itemIdx   String
- priority Idx   String
- Mapped Items   Map

+ add Item   void
+ add Item(String, String) String
+ complete Purchase(String, Float) String
+ get Price In Cart (String) Float
+ remove Item   void
+ view Cart   String
+ view Item   void
+ view Price   "

WorkFlow

Show Menu

View Items in Cart

Cart

Start
Present Users with Options

Show Current total

Add Items to cart

input item
input priority

Valid

invalid

Checkout

Test Cases

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