

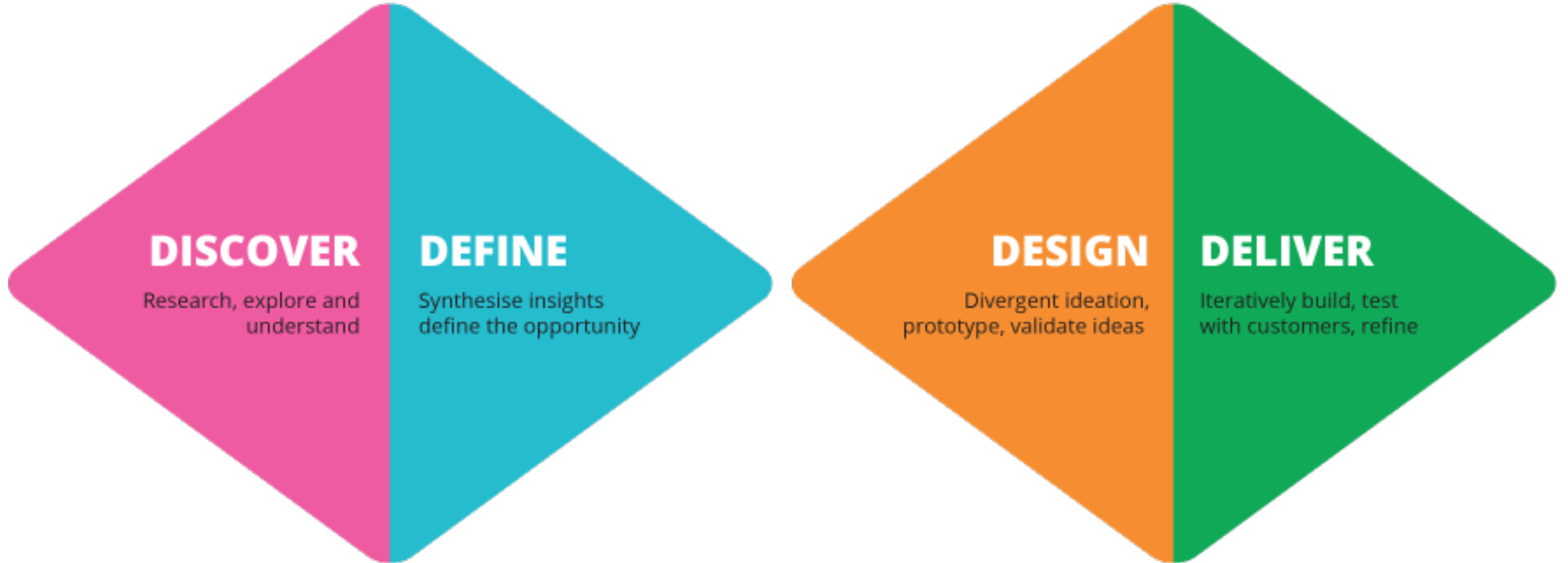


# OPENLMIS 3.1 WORKSHOP

*ThoughtWorks Panda Team, March 2017*

# WORKSHOP STRATEGY

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# AGENDA

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	MON	TUE	WED	THU	FRI
AM	Kick-off (0.5 hour)	User Journey part 1 (3 hours)	Low-fi Design workshop (3 hours)	Story Writing & Mapping with JIRA (3 hours)	Prioritization & Release Plan (2 hours)
	OpenLMIS 3.x Overview (1.5 hour)				
PM	Team retro (0.5 hour)	User Journey part 2 (1hour+)	Non-functional Requirement (1 hour+)	Story Estimation (3 hours)	RAIDs (1 hour)
	Review Technical Design & Architecture (3hours)	Technical Discussion (1hour+)	Technical Discussion (1hour+)		SHOWCASE

- Everyone
- Core team
- TW
- Tech people

# TEAM RETRO

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*What we have done well, what we need to improve and what we need to do*

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# TEAM RETRO RESULT

## What did we do well?

- Good ratio of resources (BA, Dev, QA, UX)
- We have funding and have a full team now
- Finally meet each other and have this workshop
- Excited to work with team that knows eSMS
- Gradual ramp up of resources
- Trying to do design first (RAML, diagrams)
- Transparent documentation
- Agile response to pushing for direction
- Responded to feedback well
- Notes and pushing for clarify
- Release version 3.0 stock management stories
- Lots of background reference docs
- Showcase by multiple people
- Detailed showcases
- Showcase getting more organized&focused
- Opportunity to build a service thats make a big impact
- Did well with less input from ILL

## What should we have done better?

- Blurry boundary of scope
- User story not is actionable - very detailed
- Stories are not as ready as developers expect when they pick u stories
- Showcase were hard to follow
- Showcase clarify
- TW and VR not always align with what would demo on the showcase
- Showcase went too long and too much into "weed" sometimes
- Not a single known country customer
- Not much done in timeframe so far
- Communication gap due to different working style
- More thought and documents on the wiki
- Like to see more ownership of the stories
- Not enough diagraming &process flows
- Talking long time to get design down
- Team ILL not on the same page often
- UI not standies
- Not knowing which one is the important story for the next one/two sprints
- ILL sprint cycle could be better aligned with TW
- Timezone and weekly sprints make it hard for team ILL&Panda to meet
- Not sure if feedback is timely
- Shorted account principles and terminology
- Review process (Fisheye)

## Actions

- @Shiyu JIN create new stories or split the current stories to
- @Mary Jo Kochendorfer @Shiyu JIN analyze next sprint st
- @Shiyu JIN make decision on the analysis meeting
- @Pengfei background/context information at the beginning
- @Mary Jo Kochendorfer @Shiyu JIN create the grooming p would like to achive
- @Josh Zamor Glossary of the terminology we use in this pro

# PERSONAS

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*Who are the users of OpenLMIS*

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# PERSONAS

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Created by Yu luck  
from Noun Project

*System Admin*



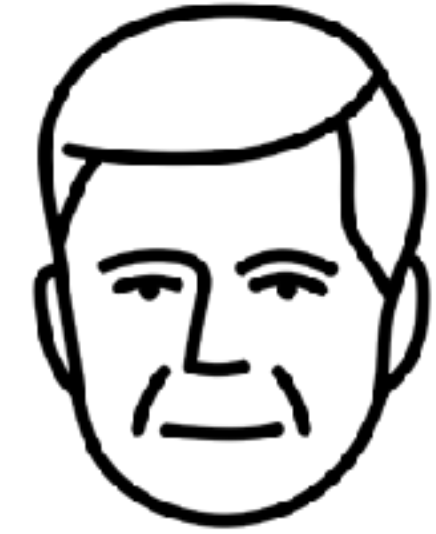
Created by Yu luck  
from Noun Project

*Central Logistics Person*



Created by Yu luck  
from Noun Project

*District Storeroom  
Management*



Created by Yu luck  
from Noun Project

*Funder*

# PERSONAS

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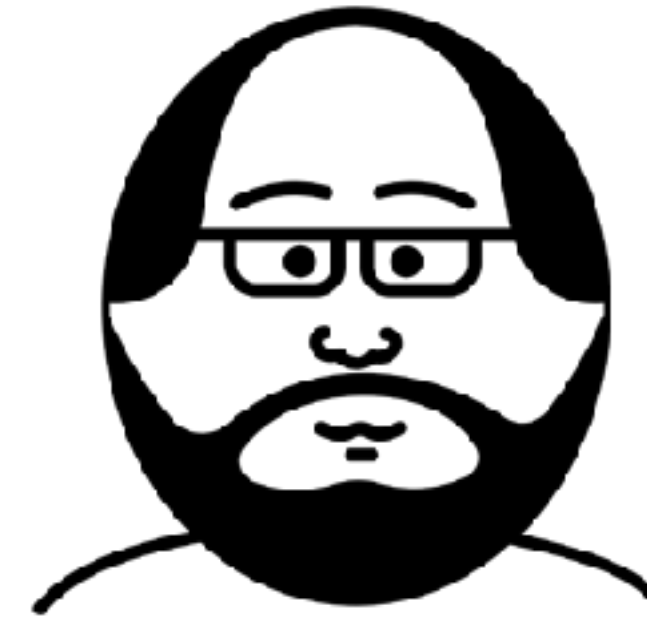
Created by Yu Iuok  
from Noun Project

*Implementer*



Created by Yu Iuok  
from Noun Project

*Store Manager*



Created by Leonardo Schneider  
from Noun Project

*Program Supervisor*



Created by Yu Iuok  
from Noun Project

*Storeroom Clerk*



# USER JOURNEY

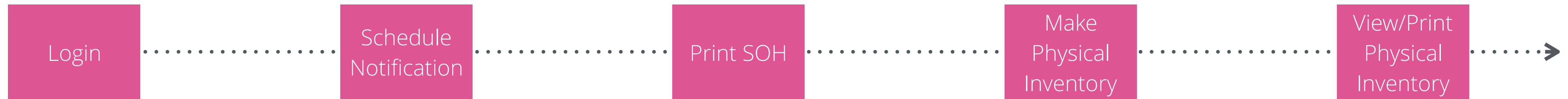
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*What will our users do to achieve their goals*

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# USER JOURNEY - PHYSICAL INVENTORY

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- Could be a call from someone
- Daily activity

- Configure at central level by system admin
- In-system notification

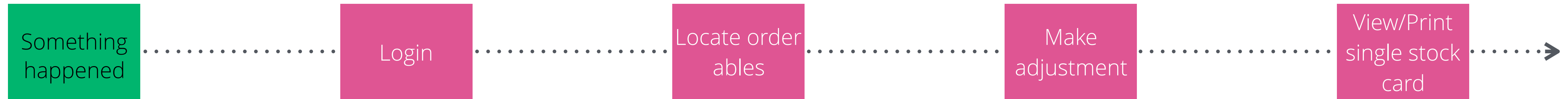
- Needs to print out SOH summary to carry
- Check the system SOH vs real SOH

- Record physical inventory quantity

- View one single physical inventory page
- Print single physical inventory

# USER JOURNEY - ADJUSTMENT

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- Could be a call from someone
- Daily activity
- Something expiry or damage

- Login system

- Find out the expected orderables

- Record adjustment amount
- Update lot information

- View one single stock card
- Print single stock card

# USER JOURNEY - RECEIVE

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- Could be a call from someone
- Physically some orderables arrive

- Access to system in order to record

- Select orderables, activities, programs
- Search in order to locate the orderables

- Record receive quantity
- Update lot information

- View SOH summary page
- Print SOH summary page

# USER JOURNEY - ISSUE

---



- Outside OpenLMIS system call from someone
- Other ways to deliver the message that somewhere needs orderables

- Access to system in order to record

- Select orderables, activities, programs
- Search in order to locate the orderables

- Record issue quantity
- Update lot information

- View SOH summary page
- Print SOH summary page

# CREATE AN ORDER

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- Could be in-OpenLMIS alert
- Could be manual notice

- Access to system in order to record

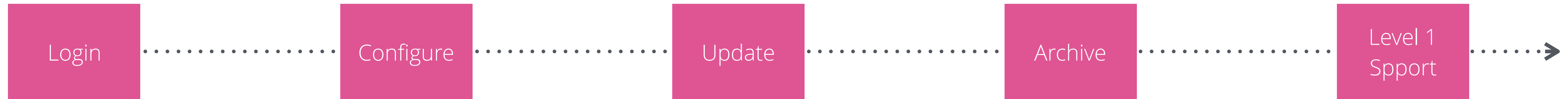
- Select orderables, activities, programs
- Search in order to locate the orderables

- Fill in request quantity
- Select source

- Forward order to the source

# USER JOURNEY - SYSTEM ADMINISTRATOR

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- Access to OpenLMIS
- System administrator's page

- Insert data
- Assign data
- Remove assignment
- Configure

- Update existing data

- Archive data

- Problem shooting
- Investigation
- Update data

# COLLABORATIVE DESIGN

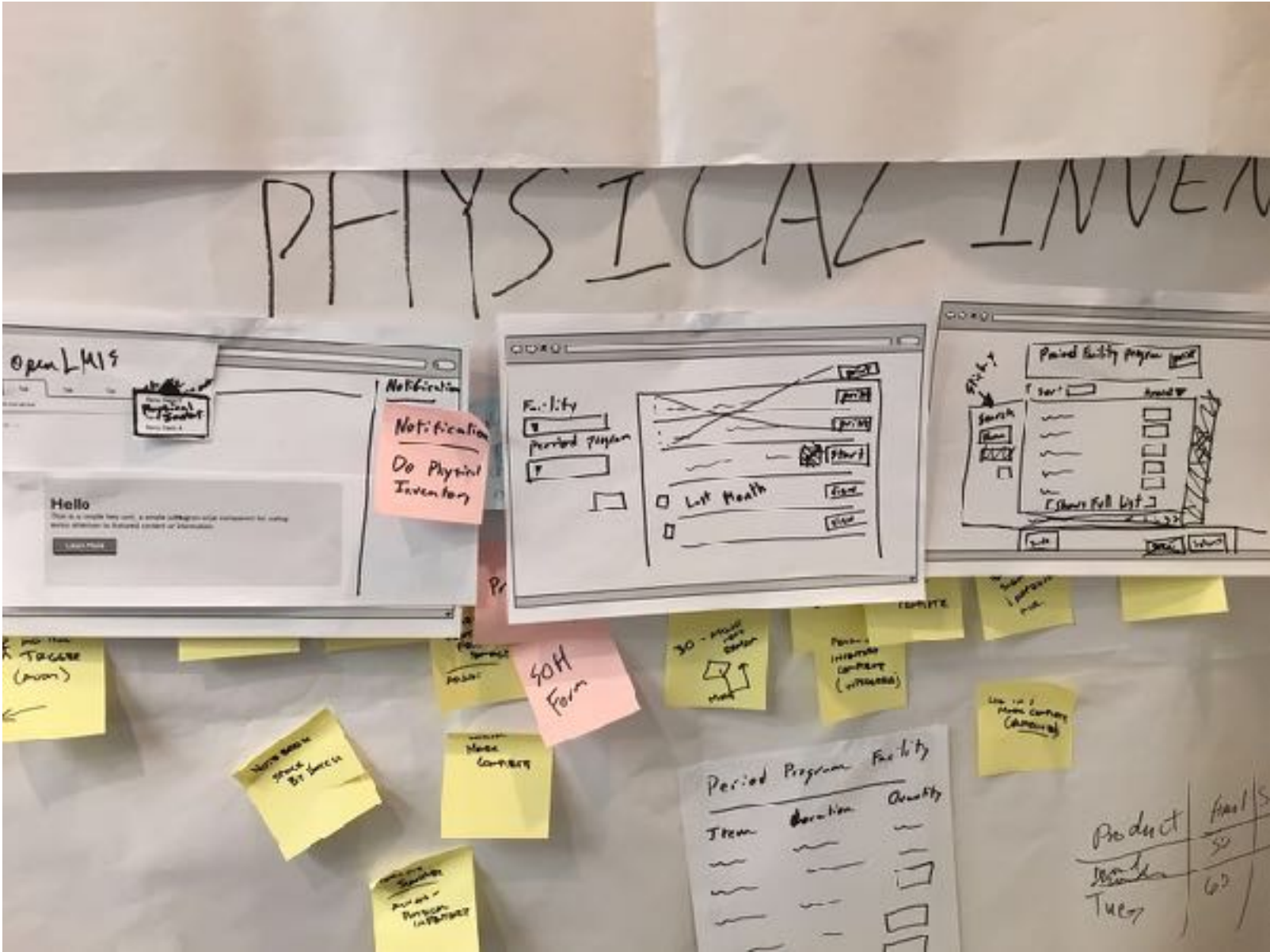
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*How will our user use the OpenLMIS*

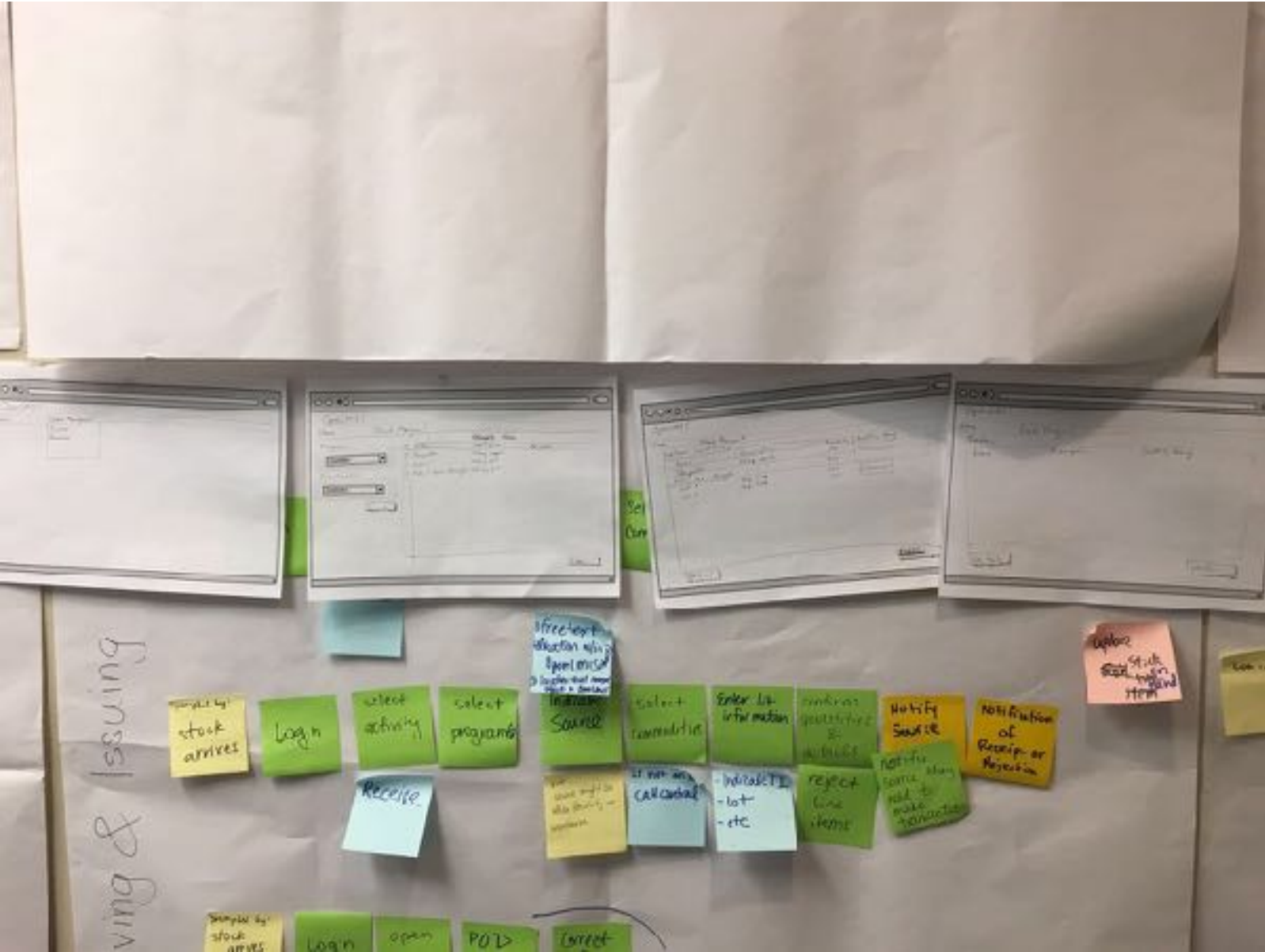
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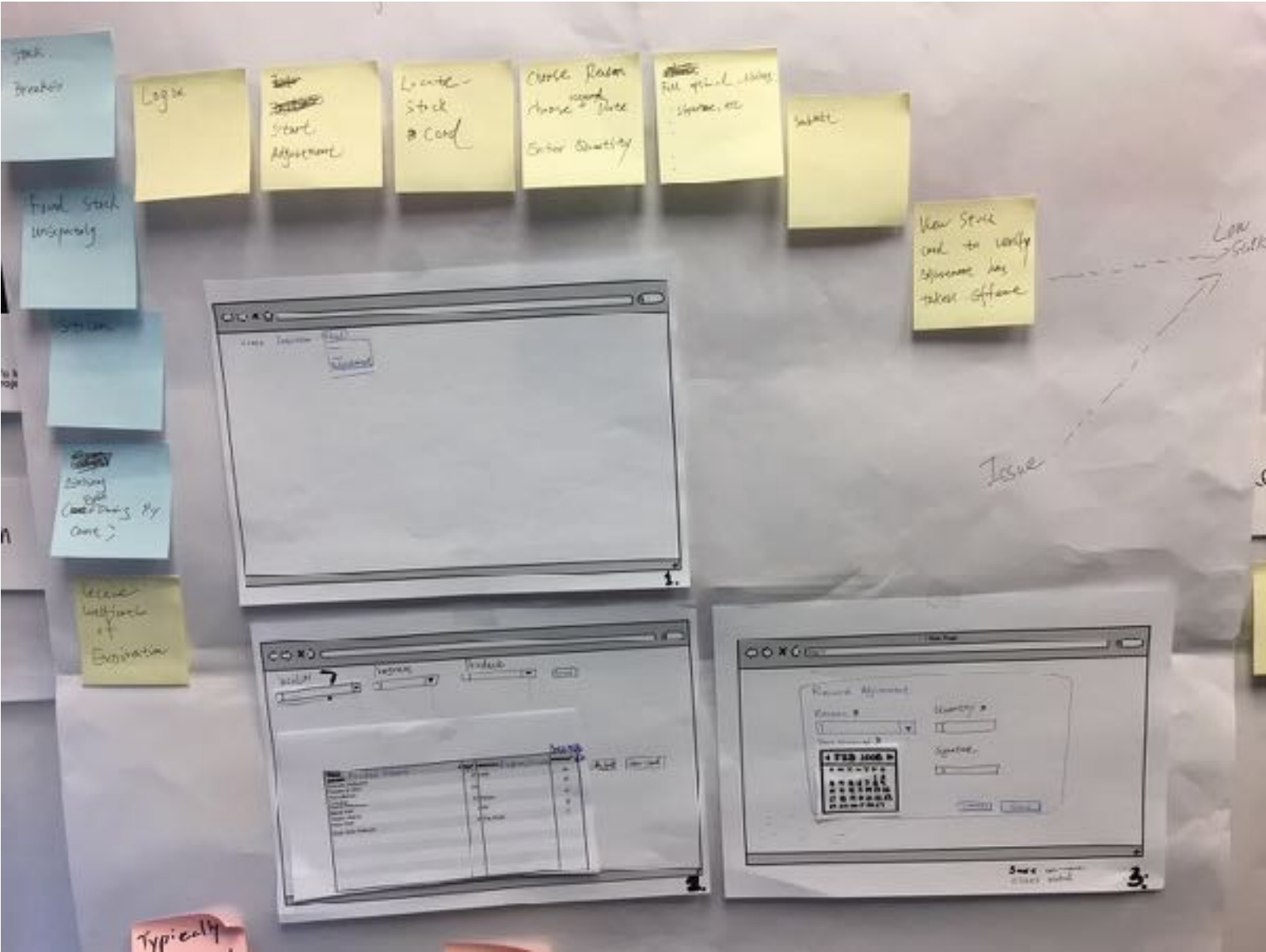
# Physical Inventory



# Issuing



# Adjustment



# NON-FUNCTIONAL REQUIREMENT

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# NFS - SECURITY

## Security

UI does not do Deep Validation

Validation is authoritative on server-side - server has last word

All HTTPS

OWASP 10 or something like that.

HTTPS

HTTPS IMM

HTTPS://  
Always for production

SQL Injection protection

NO SQL INJECTION ALLOWED

One-front door (API)  
- input is wide safe - db, XSRF etc

Browser Hashes sensitive info stored offline

NO XSS, CSRF

# NFS - PERFORMANCE

# PERFORMANCE

Requisite

PERF TEST  
Stress Tests  
Automated

NO "BIG"  
SEARCHES

high value

NO CACHE  
~~MOST COMMON~~  
INTER-SERVICE  
CALLS

AVOID DOING  
THINGS IN CODE  
THAT DB <sup>IS</sup> ~~CALL~~  
OPTIMIZED  
FOR?

For each Jira  
ticket, it  
should answer the  
question: is Perf test  
needed for this?

UI should  
cache  
everything  
it can

UI use  
promises +  
Async code  
so processor  
isn't blocked

UI use  
template Request  
not  
template Cache

Don't use  
<img alt="broken image icon" data-bbox="131 938 203 996"/>

Network  
Simulator for  
UI

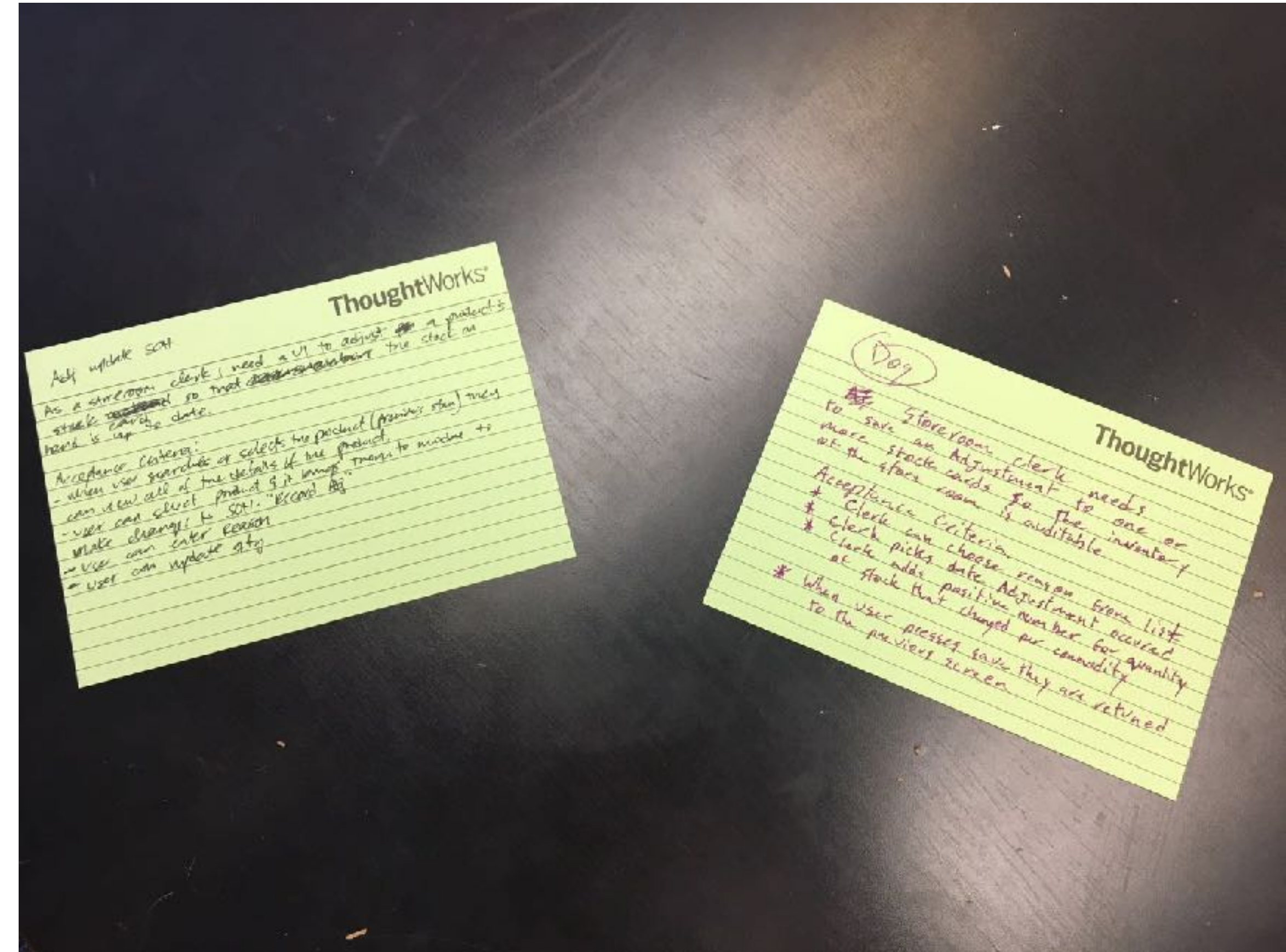
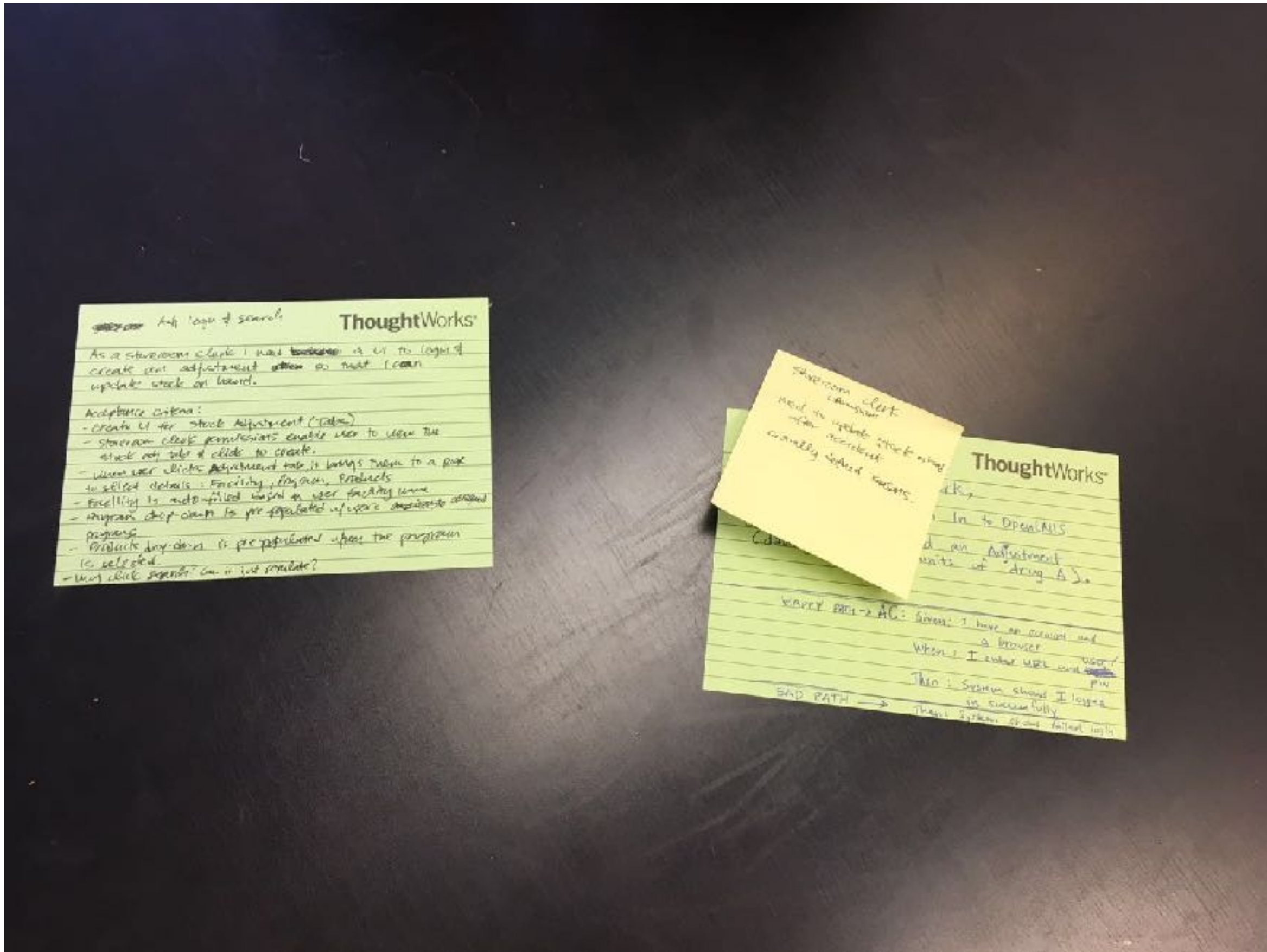
UI Jobs to  
Record UI-loads  
- HTTP connections  
- size (bytes)  
- http based  
on client

# STORY WRITING

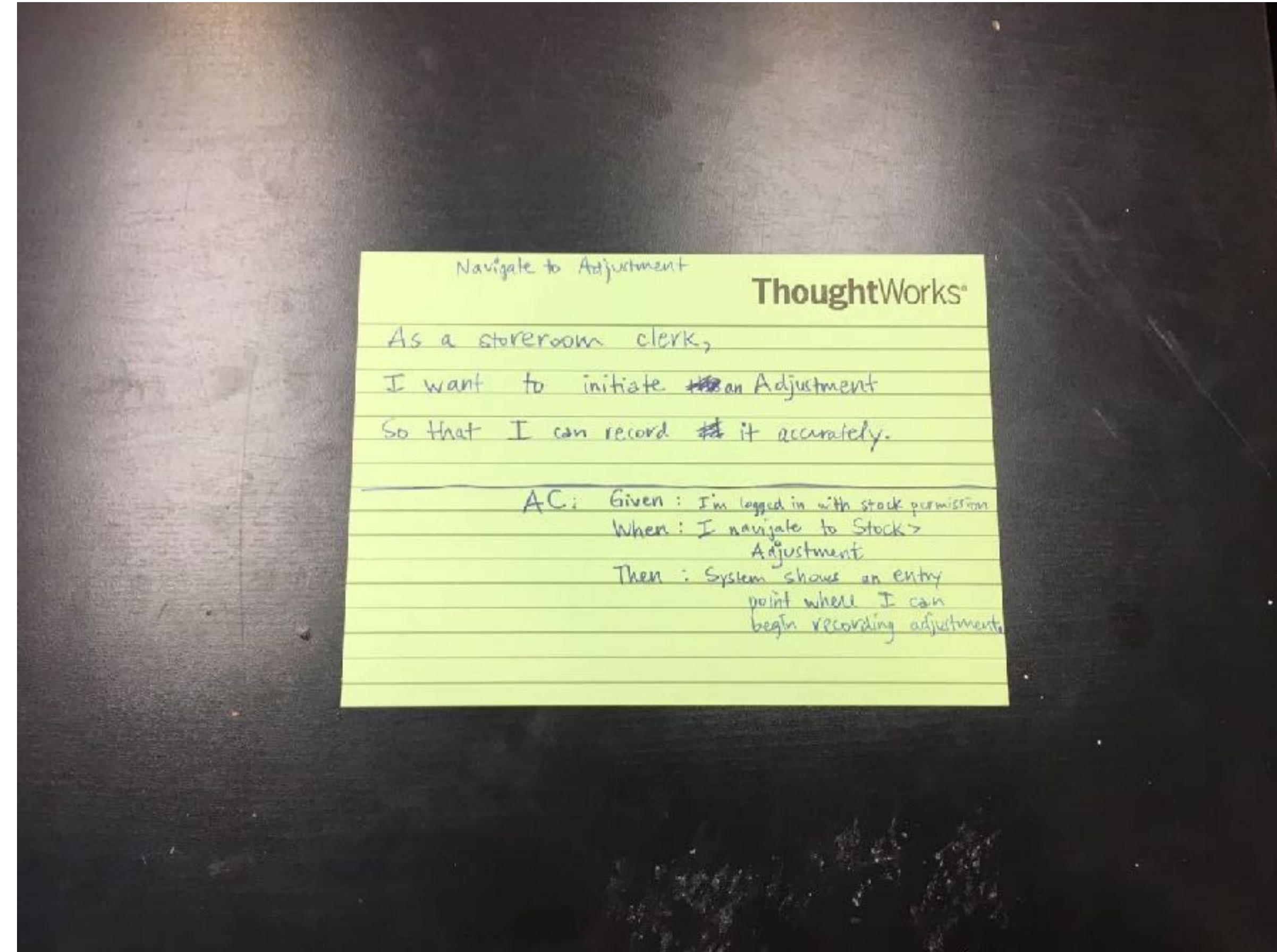
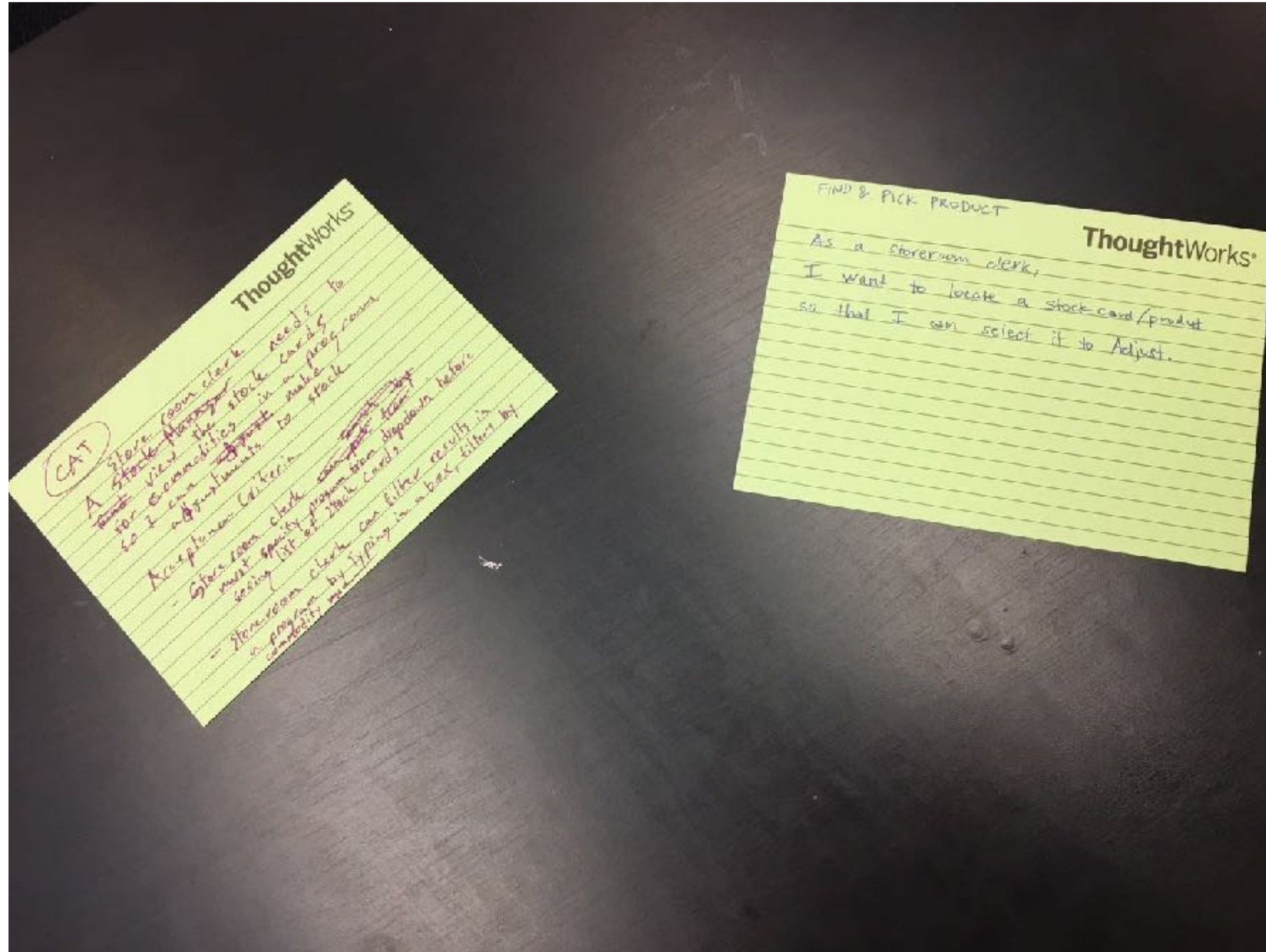
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# STORIES WRITING EXERCISE



# STORIES WRITING EXERCISE



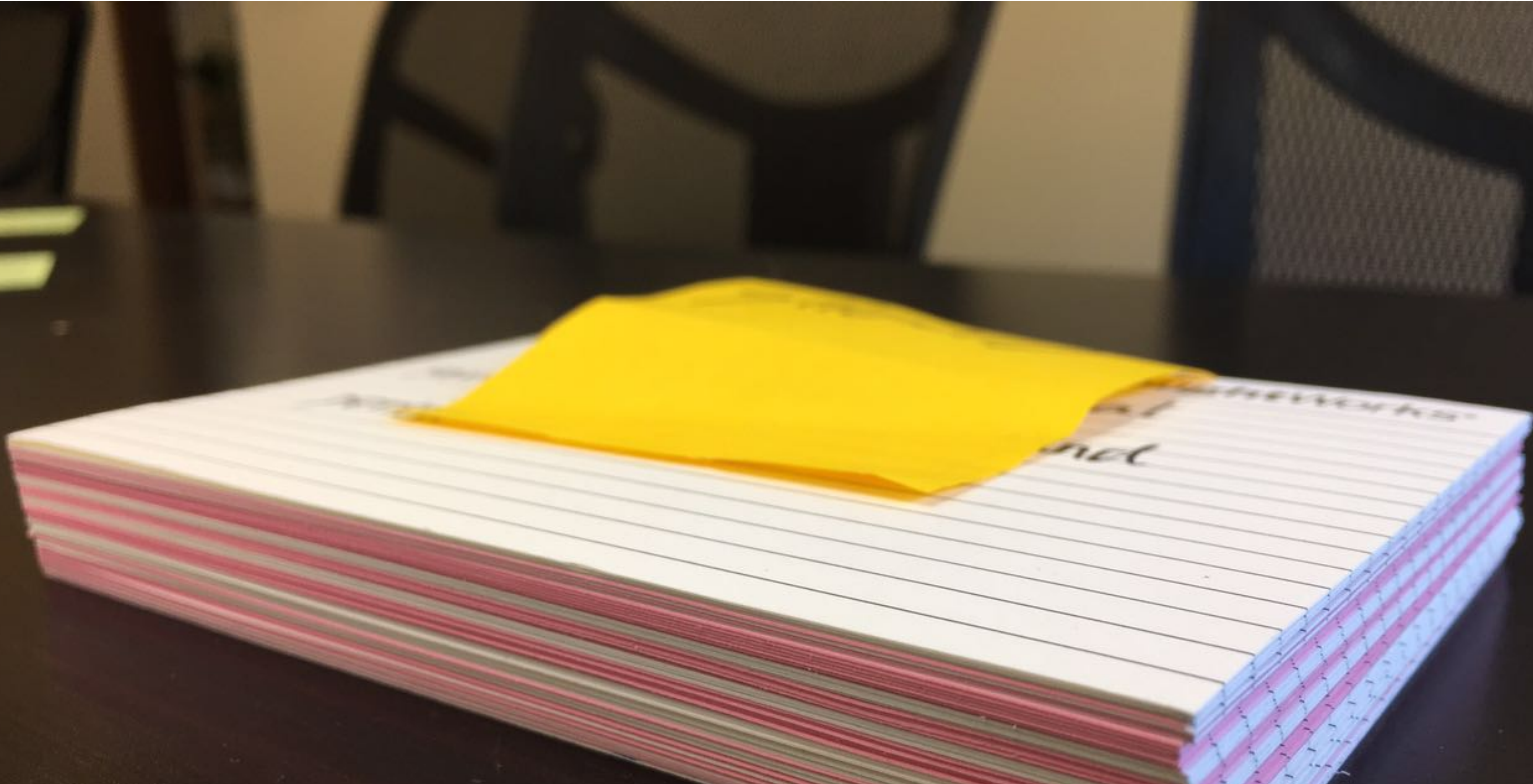
# STORY MAPPING

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# MAPPING STORIES WITH FEATURES



# MAPPING STORIES WITH FEATURES

ID	Title	Description	Functional Area	Origin JIRA ticket	Priority	Estimation	Questions/Notes	Dependencies	Comments
	Multiple select: Orderable				High	2			
	Property dropdown list: stock management permission				High	3			
	Facility dropdown list: stock management permission				High	3			
16	Choose orderables page: adjustment		Adjustment	CLMIS-19	High	5	Sort, search, multi-selection function. Should allow search facility? If yes, what facilities can be selected? Any orderables can be selected?	Homepage or the explanation	
17	Make adjustment		Adjustment	CLMIS-19	High	8	Quantity, data validation?		Button Label
18	View single stock card		View		High	6		Story template	
19	View SOH summary		View		High	8		Homepage?	
	Print single stock card		Print		High	3	Download PDF		If it is not the first print story then it should be 8, also
20	Issue view receiver's notification		Receive			21	Not confirm how to do it		
21	Receiver confirm receiver's notification		Receive			5/14	Not confirm how to do it		
22	Issue Update receiver's notification		Receive			6/12	Not sure what will happen		
23	Issue Reject notification		Receive			3/25	Not sure what will happen		
24	Initial page for Receive		Receive	CLMIS-634	High	5	Sort, search, multi-selection function. Select source. Should allow search facility? If yes, what facilities can be selected?	Homepage	Including select orderables, sources
25	Make receive		Receive	CLMIS-634	High	6			
26	View and track lot information		Lot feature				Can I add new lot?	Lot feature	
27	Review receive stock events		Receive	CLMIS-634		3	Update the SLH at front-end		
28	Submit receive stock events		Receive	CLMIS-634	High	2	Backend calculation		
29	Generate/send notification to issuer		Receive			4	When to send that notification and in which way?		Submit receive stock event, close-out date
30	Receiver confirm issuer's notification		Receive			2	Auto-create an receive event, assume something has been done		
31	Receiver update issuer's notification		Receive			2/2	Not sure what will happen, something has been done on the issuer side		
32	Receiver reject notification		Receive			4	Not sure what will happen		
33	Initial page: Issue		Issue	CLMIS-635	High	5		Homepage	
34	Make issue		Issue	CLMIS-635	High	3			
35	Review issue stock events page		Issue	CLMIS-635		2			
36	Submit issue stock events		Issue	CLMIS-635	High	2			
37	Generate/send notification to receiver		Issue			2	When to send that notification and in which way? Something is done		Submit issue stock event
38	Receive a PCD		Receive	CLMIS-615					
39	View a PCD		Receive						
40	Create a PCD		Receive	CLMIS-615					
41	Update a PCD		Receive						
42	Reject a PCD		Receive						
43	Set up time-out time		Configuration			3			
44	Create new reasons		Configuration			2			
45	Create new organizations		Configuration			2			
46	Assign reasons		Configuration			3			
47	Assign destinations/sources		Configuration			0			
48	Assign assign reasons		Configuration			2			
49	Assign assigned destination/sources		Configuration			2			
50	Turn on/off lot feature		Configuration		High	2			
51	Trigger low stock notification		Configuration			3	When to trigger it		Minimum stock and close out date
52	Trigger stock out notification		Configuration			2	When receive via what		
53	Define minimum stock level formula		Configuration	CLMIS-978		6			
54	Archive reasons		Configuration			3			
	Archive organizations		Configuration			0			
	Handle the archive of reference data facility lot transactions		Configuration			8			
66	Create new lot		Configuration		High	100	Should reference data handle it? If yes, which service will handle the stock card creation?		
66	Update lot		Configuration				Will reference data handle this?		
67	Archive lot		Configuration				Will reference data handle this?		
68	Permission Management		Configuration		High	8			
69	Calculate AMI		Configuration			3			
69	Define parameters		Configuration			15			
69	Using recalculation data to create stock event		Intelligence			10	Unsure what to do		
62	Stock Card query interface: commodity type				High	6			
63	Stock Card query interface: trade item				High	6			
64	Stock Card rest update lot				High	21			this is end to end impact to all existing stock events/reading and recalculation
65	Reassign reasons					1000			
		1. Add functionality to have an approver sign off on an Audit/Verification. Stores often have monthly/periodic audits - usually around physical stock counts - where a second person approves/verifies the SLH on the system.							
	Stock Management Approval	2. If an adjustment (images/expiries/dry stock count, etc.) exceeds certain %, require an explanation or note for why the adjustment was that large.		CLMIS-1020		1000			
	Stock Management notification	any SOH update will send out a notification		CLMIS-1408		1000			
	UI: Configure stock card template	This is the UI part.		CLMIS-636		6			
	Reorder stock			CLMIS-1118		1000			
	Report reorder stock			CLMIS-1426		1000			
	Available SOH and BOH					1000			
	Update the stock card template if GB1 applies				High	6			Lot, trade item would introduce more fields
	Validate negative SOH					1			
	Using the current JF tool to build a "hello world" page					1000			
	Update the table structure of stock event and stock line items					1000			
	Configure agency notification					3			

# MAPPING STORIES WITH FEATURES

MUST

Lot

#5

ThoughtWorks  
67  
See with lot feature

ThoughtWorks  
68  
Lot

ThoughtWorks  
69  
Lot

ThoughtWorks  
69  
Stock card  
Identify structure: lot

ThoughtWorks  
70  
Permission management

ThoughtWorks  
70  
SOH

ThoughtWorks  
71  
Data correction

ThoughtWorks  
71  
Handle the archive of reference data: facility, lot, customer, commodity type

General #6

view/print. = 4

ThoughtWorks  
72  
View single stock card

ThoughtWorks  
73  
Print single stock card

ThoughtWorks  
74  
View SOH summary

ThoughtWorks  
75  
Print SOH summary

Reasons #1

ThoughtWorks  
76  
Create new reasons  
ThoughtWorks  
77  
Assign reasons

physical inventory #3

# PRIORITIZATION

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*Lets identify what are the highest value  
we can bring to our customer fist*

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# PRIORITIZATION

MUST

Using req refer data requisition schedule

8 New physical Inventory page

9 Save draft physical inventory page

10 View one physical Inventory page

12 Submit physical inventory

15 Orderable ~~dropdown~~ list  
ThoughtWorks multi select orderables w/ lots

16 Program dropdown list  
ThoughtWorks Stock permissions

17 Facility dropdown list  
ThoughtWorks Stock permissions

18 choose orderables page: adjustment

19 make adjustment

20 View single Stock card

21 View SOH Summary  
ThoughtWorks

47 Create new reasons  
ThoughtWorks

49 Assign reasons  
ThoughtWorks

51 Detach/unassign reasons  
ThoughtWorks

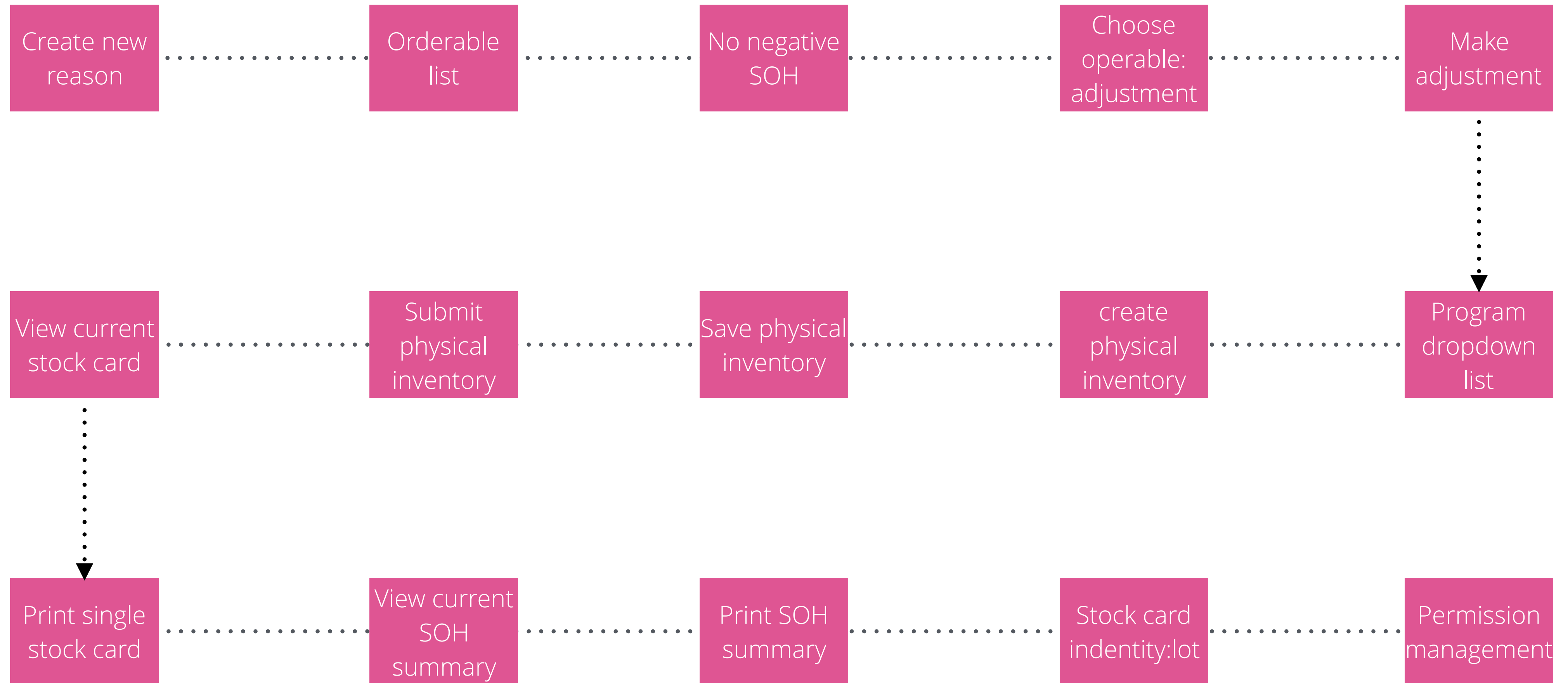
53 Turn on/off lot feature  
ThoughtWorks

57 Archive reasons  
ThoughtWorks

59 Handle the archive of reference data: facility, lot, trade item commodity type  
ThoughtWorks

# RELEASE SCOPE

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# RAIDS

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*Risk master*

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# RAIDS

## Risk

Velocity slows down

monitor velocity (daily?)

Enriched daily standup in Slack

I have done \_\_\_\_\_  
I am doing \_\_\_\_\_  
I had problem \_\_\_\_\_  
I have question for @ \_\_\_\_\_

Retrospectives identify causes and solutions

Not resolve dependency

Clear outline of what is needed to unlock team  
ex. these APIs by X date

Deadlines

Calendars

Rules for Reson config by when?  
example

Discrepancy between Business value & Tech goals of a story being considered done

PO-sign off  
Tech-sign off  
Required

Mech for sign off

Analysis meeting includes both tech & Business

Miscommunication

Diagrams

Examples

Glossary or Terms agreement

Team ILL does not always have quick answers/obvious decisions

transparent Design process indicate our ILL participation

mini-workshop

mock ups

Design Discussions

Timezone

Working overlap Seattle 3-4/7

Seattle 9:30 P.M.

Mismatched scope for vaccine priorities

No client Real

AMC Shared/doped Between stock management + Requisition

## Assumption

Facility

Commodity type cannot have lot.

If a trade item has a LOT THEN LOTS have the stock card NOT TI

No cellphone users

Use the UI style guide

Lot is centrally configured

Low stock calculations based on commodity

Transfer in/out stock event

lot can be turned on/off

## Issues

## Dependency

Permission management

Lot management

UI Pattern

Reference data

Stock event conflict between

integrate requisition calculate info



# NEXT STEPS

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*Further actions.*

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## FURTHER ACTIONS

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- Update product community and governance community
- Plan next iteration stories
- Keep tracking deliver velocity
- Build up communication between Panda team UX person and Nick

THANK YOU

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