

Personal Inventory Management System

...but make it fun and simple to use



Image -Lalu Fatoni

What if we brought the video game "inventory" concept to real life? á la Skyrim, maybe?

The Mission

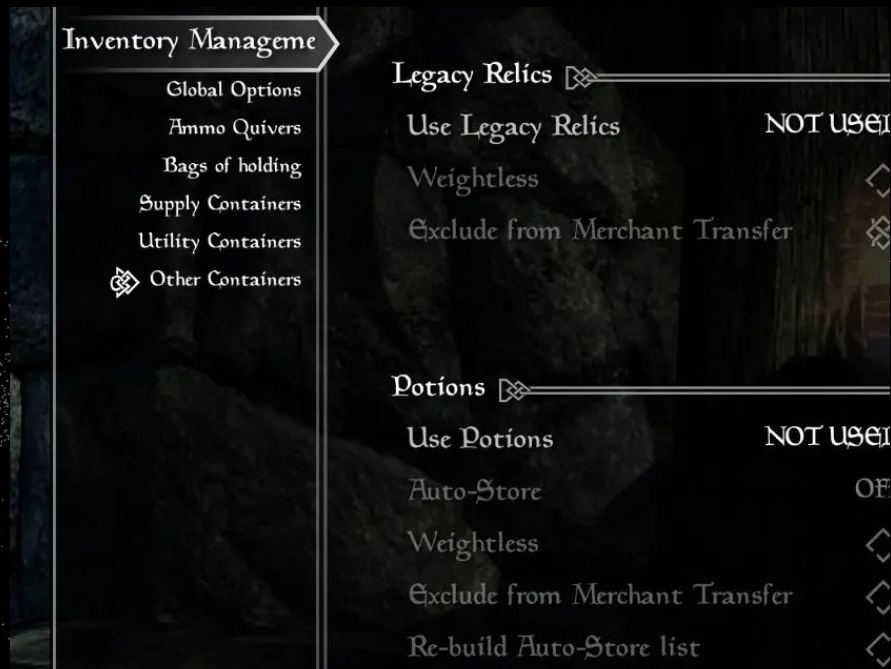


Image - IsharaMeradin

1 Simple, basic, and intuitive



2 Narrow scope



3 Focus on few features



4 Well executed



5 Lightweight and portable



6 Next slide please



Itemized Breakdown

1



Conceptual Design

Lightweight text based program
Easy to access, edit, and add items

2



Components

Item lists
Item categorization
- file tree-esque
- window tabs
- visualized web?
Library style check-out system
Missing item reminders

3



Implementation

Automatically generate an outline with some boilerplate categories, then allow user to customize per preference

4



Who's gonna code all this?

Idk, we'll just get ChatGPT to do it

jk... This is how

The main script

Generate a template

Display a bunch of formatted tables with placeholders items
Autoselect a table as "active"

The user inputs

Lots of prompting

Prompt user with options to
"add/remove/modify" an item
or "skip" to change active
category table

Data handling

The hard part

This text is hard to read, next slide please...

Data handling

The hard part

We need to create files to keep track of every single item

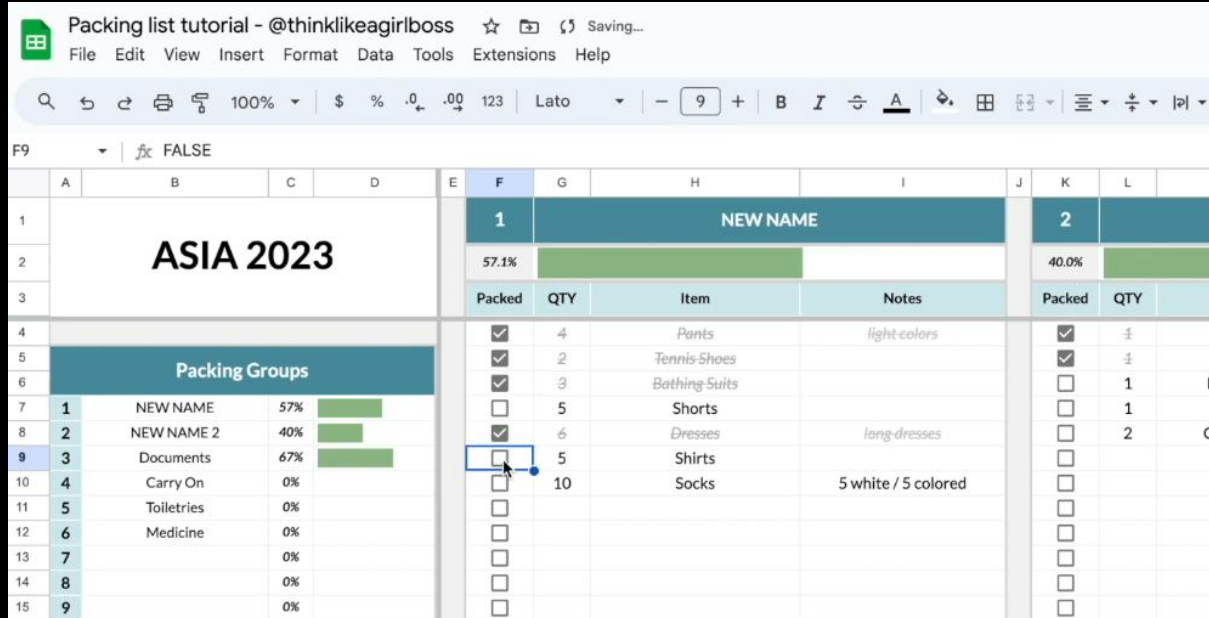
We will write to these files each unique item and maybe give it a unique identifier to reference when making changes to the item's "status"

Maybe every item's status will be attached to its unique key, and all the other details will need to be attached to that unique key... somehow

How have others tackled this problem before?

Spreadsheets

This implementation looks very satisfying for analytical folks, but might seem overwhelming for people unfamiliar with office software



ASIA 2023			
1	NEW NAME	57%	
2	NEW NAME 2	40%	
3	Documents	67%	
4	Carry On	0%	
5	Toiletries	0%	
6	Medicine	0%	
7		0%	
8		0%	
9		0%	

Packed	QTY	Item	Notes
<input checked="" type="checkbox"/>	4	Pants	light colors
<input checked="" type="checkbox"/>	2	Tennis Shoes	
<input checked="" type="checkbox"/>	3	Bathing Suits	
<input checked="" type="checkbox"/>	5	Shorts	
<input checked="" type="checkbox"/>	6	Dresses	long dresses
<input type="checkbox"/>	5	Shirts	
<input type="checkbox"/>	10	Socks	5 white / 5 colored
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

Image - thinklikeagirlboss

Why did I choose this problem?

Travelling

Keeping track of stuff

Packing for a trip can be stressful because there is a lot of moving parts and things to consider that are not obvious

Forgetting

Sometimes I lose things

If there was a living document of every important item I have, then I could keep better track of where they are

Approachable

This seems "doable" even at my skill level

Software Logic

The Underlying Program

Initial terminal interface will have a very simple input prompting loop to modify lists and categories

Thank you

Credits

Slide #1 photo - Lalu Fatoni

<https://www.pexels.com/@lalu-fatoni-228553/>

Slide #2 image - IsharaMeradin

https://www.nexusmods.com/skyrimspedition/mods/34882?file_id=209946

Slide #6 image - thinklikeagirlboss

https://www.youtube.com/watch?v=vEKB_yJFIS0