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Design Document & Pseudo Code - P7 Adventure Game

**Story**

The old bat is finally dead! You’ve been waiting for your sad bitter (and filthy rich) grandmother to kick the bucket and the day is now upon you. Unfortunately, you are not anywhere in her will... but no worries! You managed to sneak into her house before your money-hungry cousins and aunts to grab the most valuable items you could carry. You only have so much pocket space so choose wisely, and don’t forget to search certain un-assuming items for goodies that wrinkly old prune tried to hide away.

**Map**

5 Locations

7 Items

Non-portable, hiding place item

Portable, hiding place item

Portable, non-hiding place item

Key

* P\* - portable
* NP\* - non-portable (size and price of 0)
* H\* - hiding place

*Number of location*.Location (*number of location(s) you could travel to*)

|  |  |  |
| --- | --- | --- |
|  | Price | Size |
| **1. Front Patio (2)** |  |  |
| Fake Rock NP\* H\* | $0.00 | 0 |
| (in rock) Silver Key P\* | $0.40 | 1 |
| **2. Dining Room (5,4,3,6,7,1)** |  |  |
| Box of Silverware \*P | $200.0 | 3 |
| **3. Kitchen (2)** |  |  |
| Stale Cookies P\* | $3.00 |  |
| **4. Studio (2)** |  |  |
| Brown Pot \*P \*H | $70.00 | 3 |
| (in pot) Emerald Ring P\* | $1,000.00 | 1 |
| Painting of an ugly dog P\* | $20.00 | 2 |
| **5. Drawing Room (2)** |  |  |
| Lace Gloves P\* | $50.00 | 1 |
| Large Portrait NP\* H\* | $0.00 | 0 |
| (in portrait) Rusty Key P\* | $0.01 | 1 |
| **6. Guest Bath (2)** |  |  |
| Brass Sconce NP\* | $0.00 | 0 |
| **7. Master Bedroom (2,9,8)** |  |  |
| Jewelry Box P\* H\* | $500.00 | 3 |
| (in jewelry box) Tangled necklace P\* | $20.00 | 1 |
| **8. Master Bath (7)** |  |  |
|  |  |  |
| **9. Closet (7)** |  |  |
| Old Keyhole NP\* H\* | $0.00 | 0 |
| (in keyhole) Emerald Tiara P\* | $5000.00 | 2 |

Test Case

1. Go in and out of a location
2. Pick up a portable item
3. Drop a portable item
4. Try to pick up /drop a non-portable item
5. Search a non-portable item
6. Search a portable item
7. Search a non-hiding place
8. Drop off an item in one location and go back to see if it is still there
9. Drop off an item to “use” it (rusty key @ closet)
10. Pick up item with full inventory
11. Exit
12. Get accurate price

(example inventory)

Jewelry Box

Lace Gloves

Emerald Ring

**Price = $1550.00**