

All Tests: 28 total, 28 passed

1 ms

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Inserting and returning money without vending

0 ms

| | | |
|---|--------|------|
| Has zero balance when first switched on | passed | 0 ms |
| Tracks the value of a single coin inserted | passed | 0 ms |
| Tracks the value of multiple same-denomination coins inserted | passed | 0 ms |
| Tracks the value of mixed coin denominations inserted | passed | 0 ms |
| Returns exact coins inserted on request | passed | 0 ms |
| Has zero balance after returning coins | passed | 0 ms |
| Returns no coins when the balance is zero | passed | 0 ms |

Making optimal change using coin stock

0 ms

| | | |
|--|--------|------|
| Uses largest coin values first | passed | 0 ms |
| Is forced to use smaller coins when larger coins run out | passed | 0 ms |
| Change solution fails when not enough coins at required value | passed | 0 ms |
| Change solution fails when available coins would over-compensate | passed | 0 ms |
| Gives change using calculated solution | passed | 0 ms |
| Decrements coin stock when giving change | passed | 0 ms |

Managing item stock

0 ms

| | | |
|--|--------|------|
| No stock exists in the machine until it's added | passed | 0 ms |
| Adding stock increments the available items | passed | 0 ms |
| An item is vended when requested | passed | 0 ms |
| Vending an item decrements the stock count for that item | passed | 0 ms |

Vending items

1 ms

| | | |
|--|--------|------|
| Vends the request item when exact money is inserted | passed | 0 ms |
| Has zero balance after successfully vending with exact money | passed | 0 ms |
| Does not vend item when inserted money is less than item price | passed | 0 ms |
| Returns change after vending when excess money inserted | passed | 0 ms |
| Vends item when excess money inserted | passed | 0 ms |
| Refuses to vend if change solution cannot be found | passed | 0 ms |
| Returns no coins after failure to make change solution | passed | 0 ms |
| Moves inserted coins to coin stock after successful vending | passed | 0 ms |
| Item is not vended if no stock exists | passed | 0 ms |
| Money is retained after unstocked item request is attempted | passed | 0 ms |
| Vending the last stock of an item causes next vend to fail | passed | 0 ms |