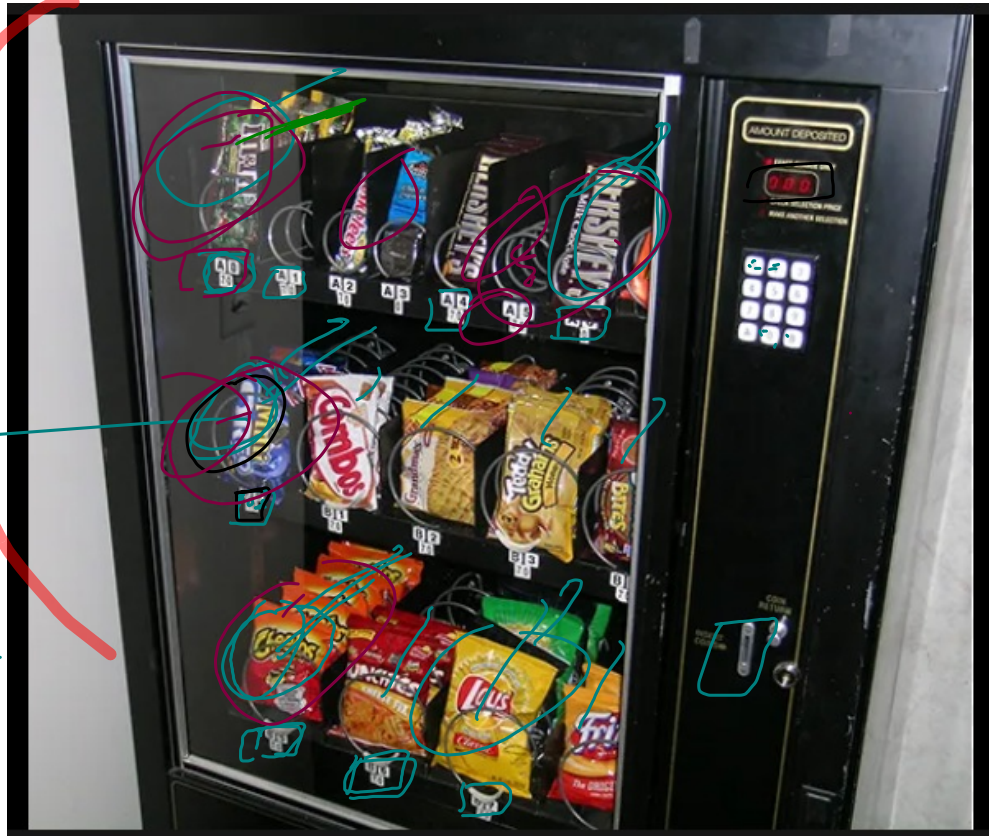


VENDING MACHINE

Vending Machine



→ Coins → 10, 50, 50p
 1, 50, 2000, 1000
 → 1, 2, 5, 10, 20, 50


→ Item → Item details
 ↳ — ↳ Item descr
 ↳ Cost
 ↳ 45

→ Inventory

→ Vending machine
 ↳ Logic

↳ Requirements

↳ ① Coin / Money → 1, 2, 5, 10, 50, 100, 200



↳ ② Items → Biscuits, Chocolate, Candy, etc.
↳ Item type, Item, Item self


↳ ③ Inventory →



↳ ④ Vending Machine → ??

↳ ⑤ Item type → 50, 102, ,

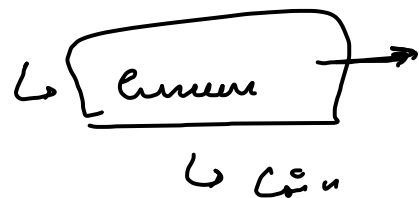
↳ ⑥ Vending Machine state →




①

Coin Class

↳ 1, 2, 5, 10, 50, 100



ONE (1),
TWO (2),
FIVE (5),
TEN (10),
FIFTY (50),
HUNDRED (100)

→ Coin Enum


↳ Item

↳ ItemType → Enum → Oran, Coke, Candy etc.

↳ Item → Class → ItemType, price

- Itemself → Item, item code, soldOut

$k = 10$

Item, sold out, item code

150

2

50

<div>100</div>		
<div>item 1</div> <div>101</div> <div>True</div>	<div>item 2</div> <div>102</div> <div>True</div>	<div>item 3</div> <div>103</div> <div></div>
<div>item 4</div> <div>104</div> <div></div>	<div>item 5</div> <div>105</div> <div></div>	<div>item 6</div> <div>106</div> <div></div>
<div>item 7</div> <div>107</div> <div></div>	<div>item 8</div> <div>108</div> <div></div>	<div>item 9</div> <div>109</div> <div></div>
	<div>item 10</div> <div>110</div> <div></div>	