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| WATCardOffice |
| -p : Printer\* |
| +create() : WATCard\*  +transfer() : void |

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| Student |
| -mycard : WATCard\*  -posn : VendingMachine\*  -myid : unsigned int  -idnow : unsigned int  -maxP: unsigned int  -p : Printer\*  -ns : NameServer\*  -WO : WATCardOffice\*  -favourate : unsigned int  -howmany : unsigned int |
| +action() : bool |

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| NameServer |
| - now : unsigned int  -thelist : VendingMachine\*\*  -theprt : Printer\*  -nVM : unsigned int  -nS : unsigned int  -lengthnow : unsigned int |
| +VMregister() : void  +getMachine() : VendingMachine\*  +getMachineList() : VendingMachine\*\* |

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| WATCard |
| +id : unsigned int  +balance : unsigned int |
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| VendingMachine |
| -idnum : unsigned int  -thecost : unsigned int  -maxStock : unsigned int  -invent: unsigned int[4]  -NS : NameServer\*  -theprinter : Printer\* |
| +Status : enum  +Flavours : enum  +buy() : Status  +inventory() : unsigned int\*  +restocked() : void  +cost() : unsigned int  +getId() : unsigned int |

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| Printer |
| -PrinterImpl : struct  -impl : PrinterImpl& |
| +print() : void  +print() : void  +print() : void  +print() : void  +print() : void  +print() : void |

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| BottlingPlant |
| -total : int  -theprt : Printer\*  -produce : unsigned int[4]  -timeBtwShip : unsigned int  -mShipFlv : unsigned int  -atruck : Truck\*  -numVend : unsigned int  -NS : NameServer\*  -maxStock : unsigned int |
| +getShipment() : void  +action() : void |

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| Truck |
| -NS : NameServer\*  -BP : BottlingPlant\*  -SPF : unsigned int  -VM : unsigned int  -theprinter : Printer\*  -cargo : unsigned int[4] |
| + action() : void |

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| VendingMachineOverCharger |
| -thecost : unsigned int |
| +buy() : Status  +cost() : unsigned int  +getId() : uunsigned int |

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| VendingMachineCardEater |
| -thecost : unsigned int |
| +buy() : Status  +cost() : unsigned int  +getId() : uunsigned int |