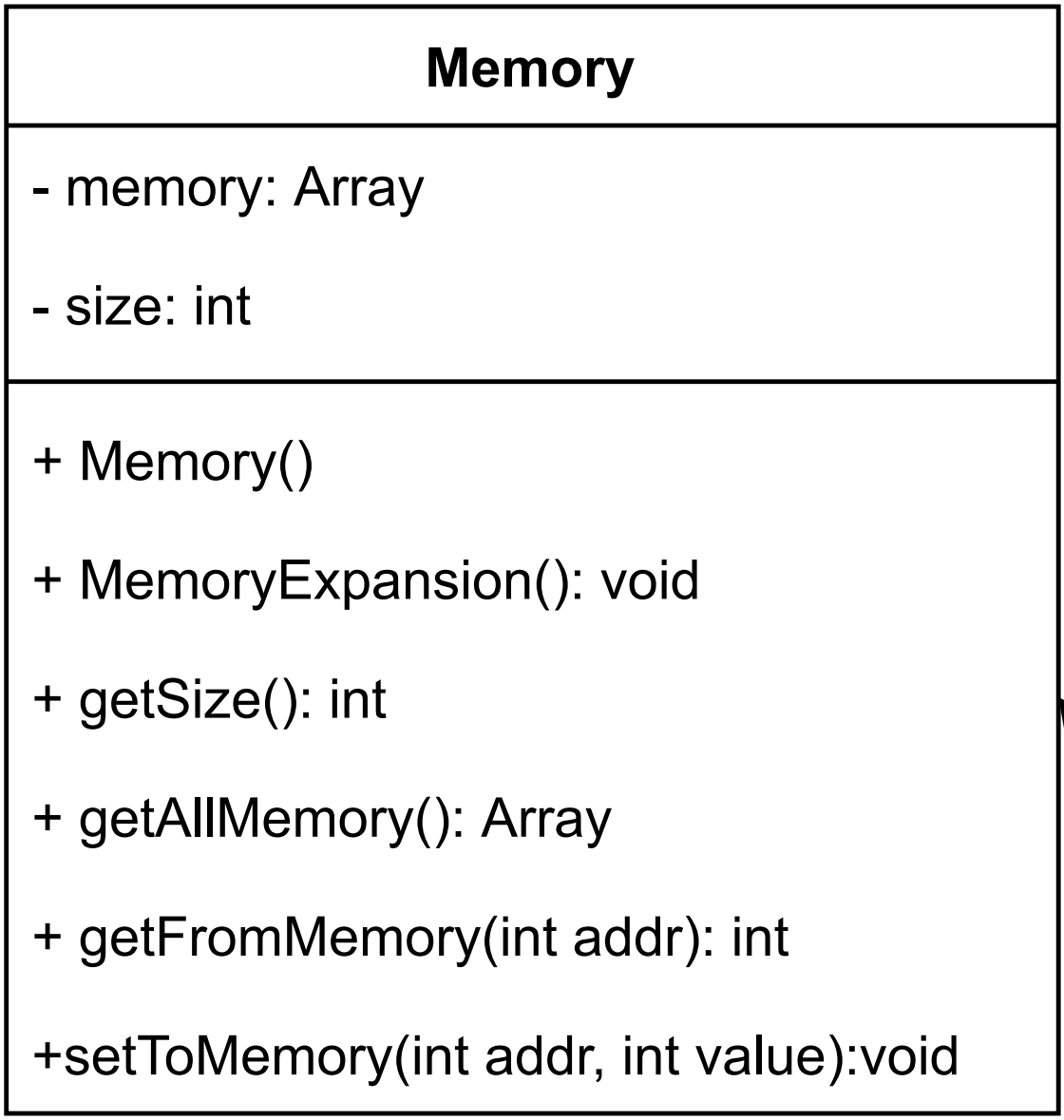
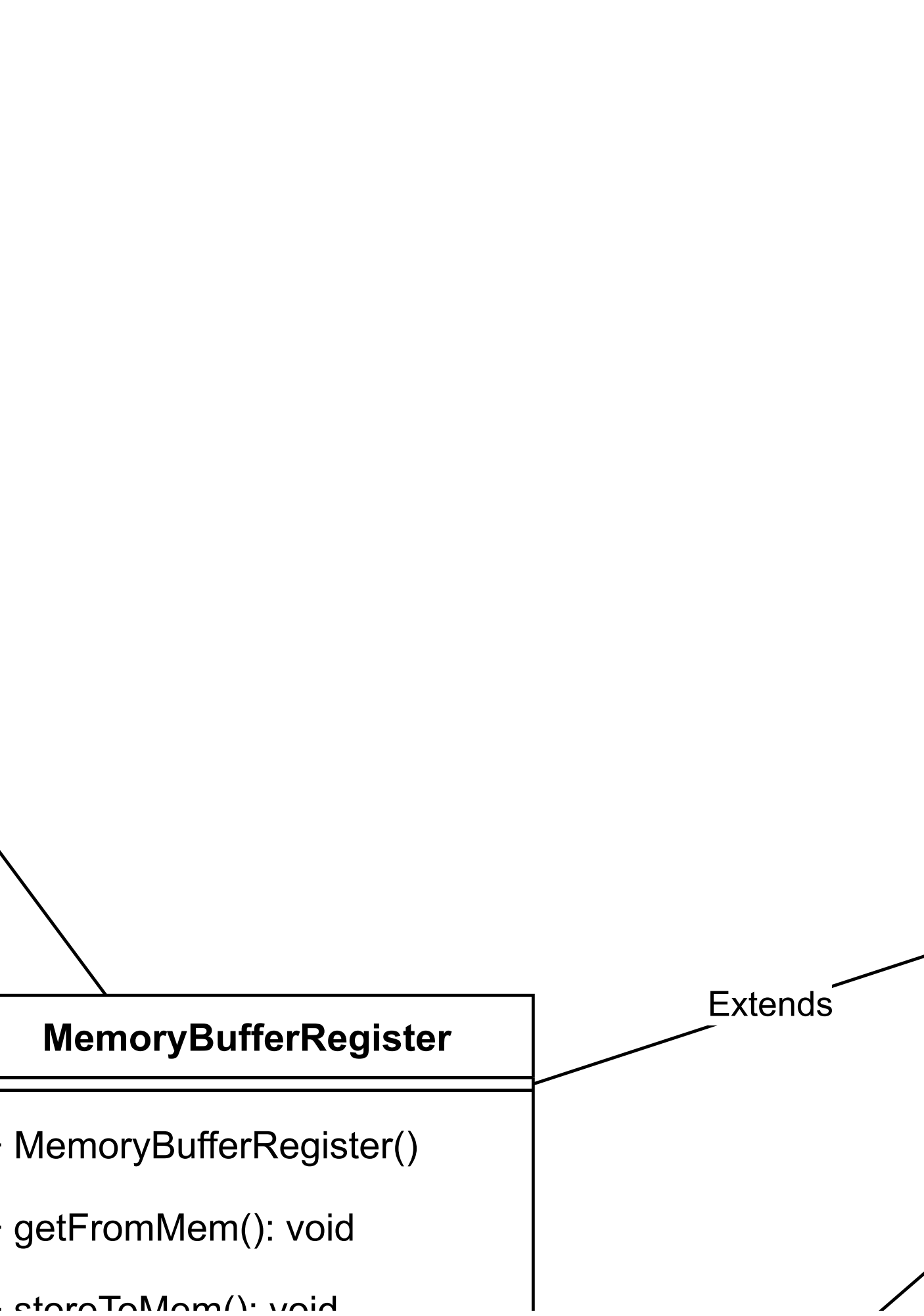
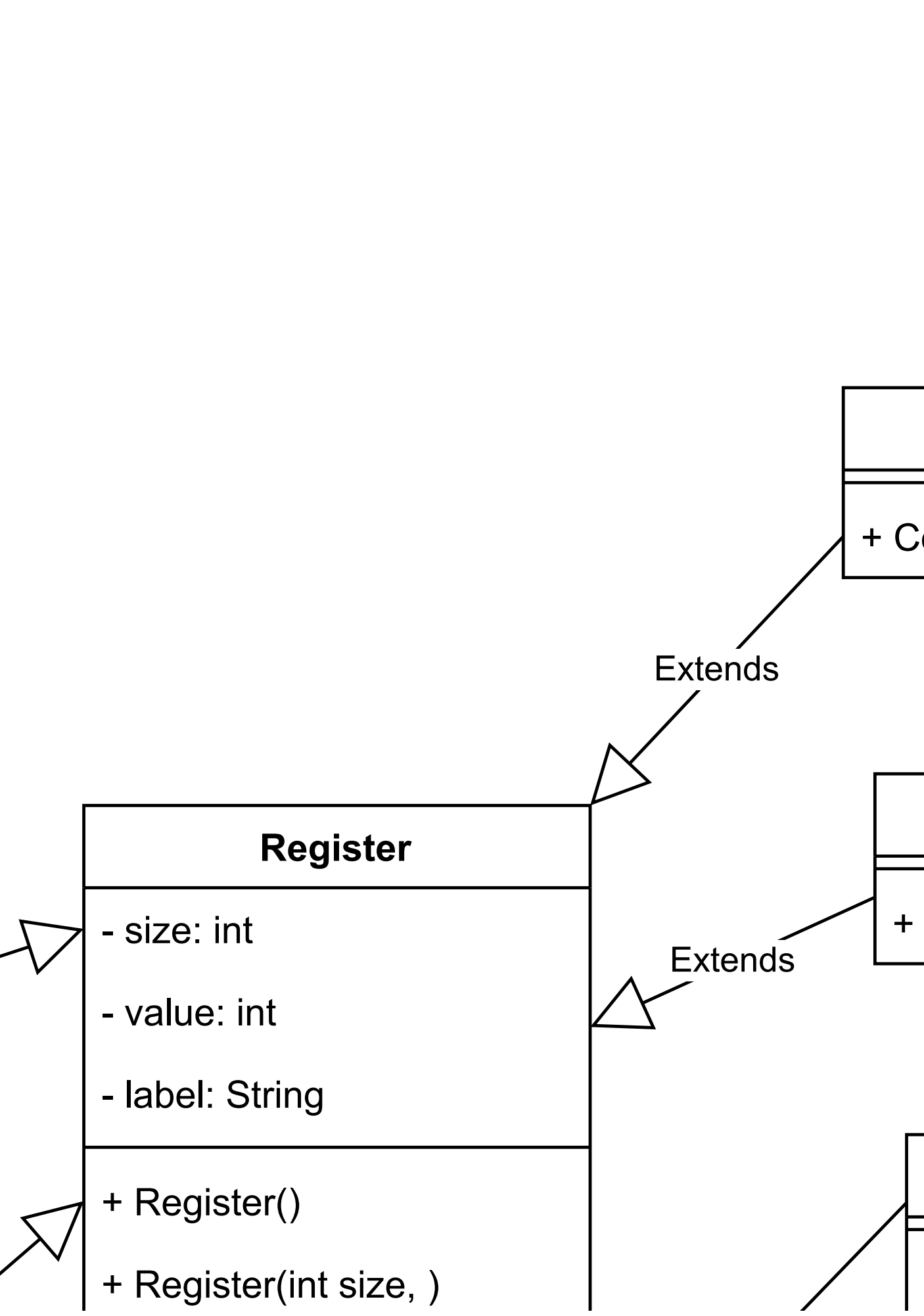
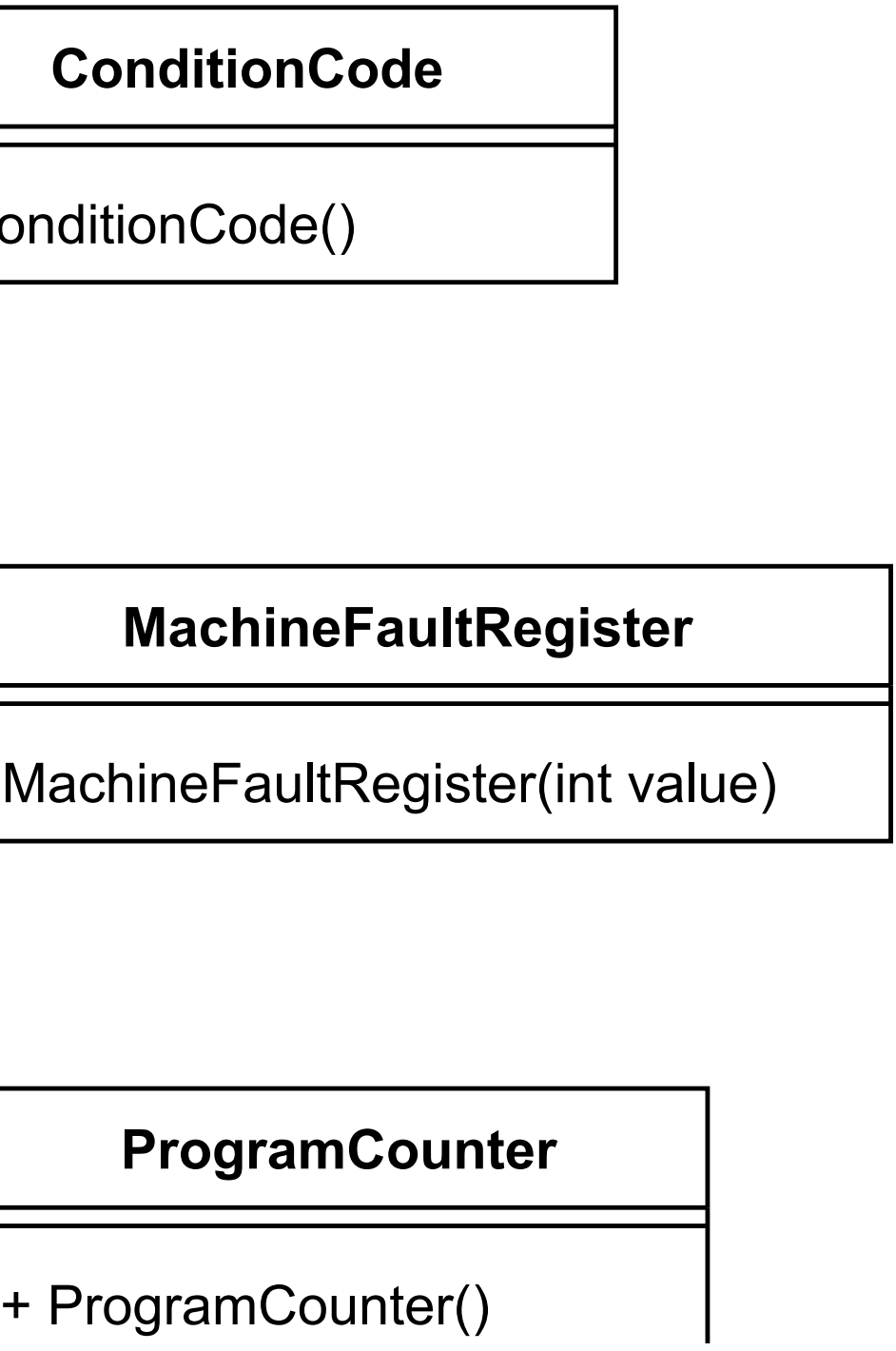
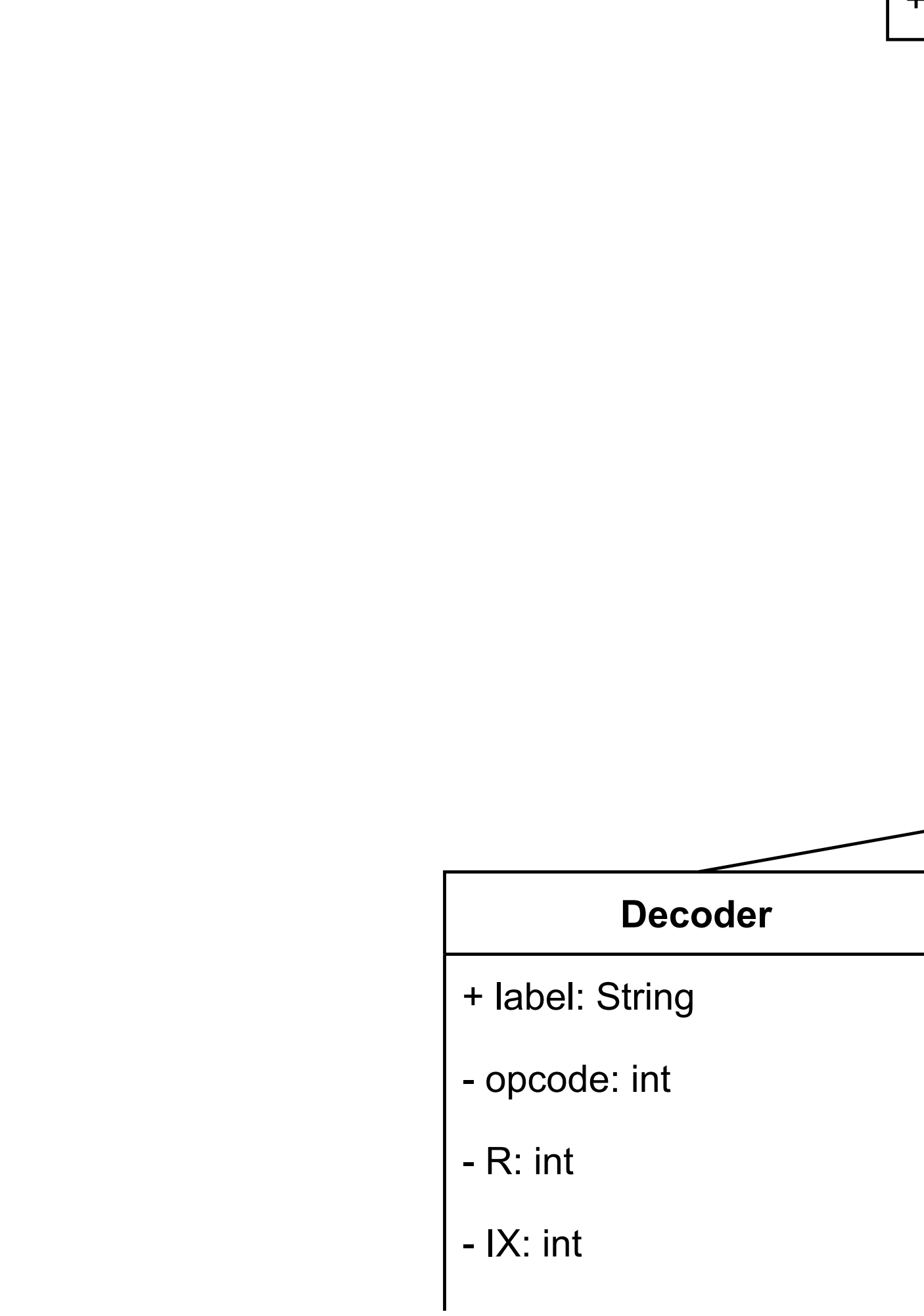
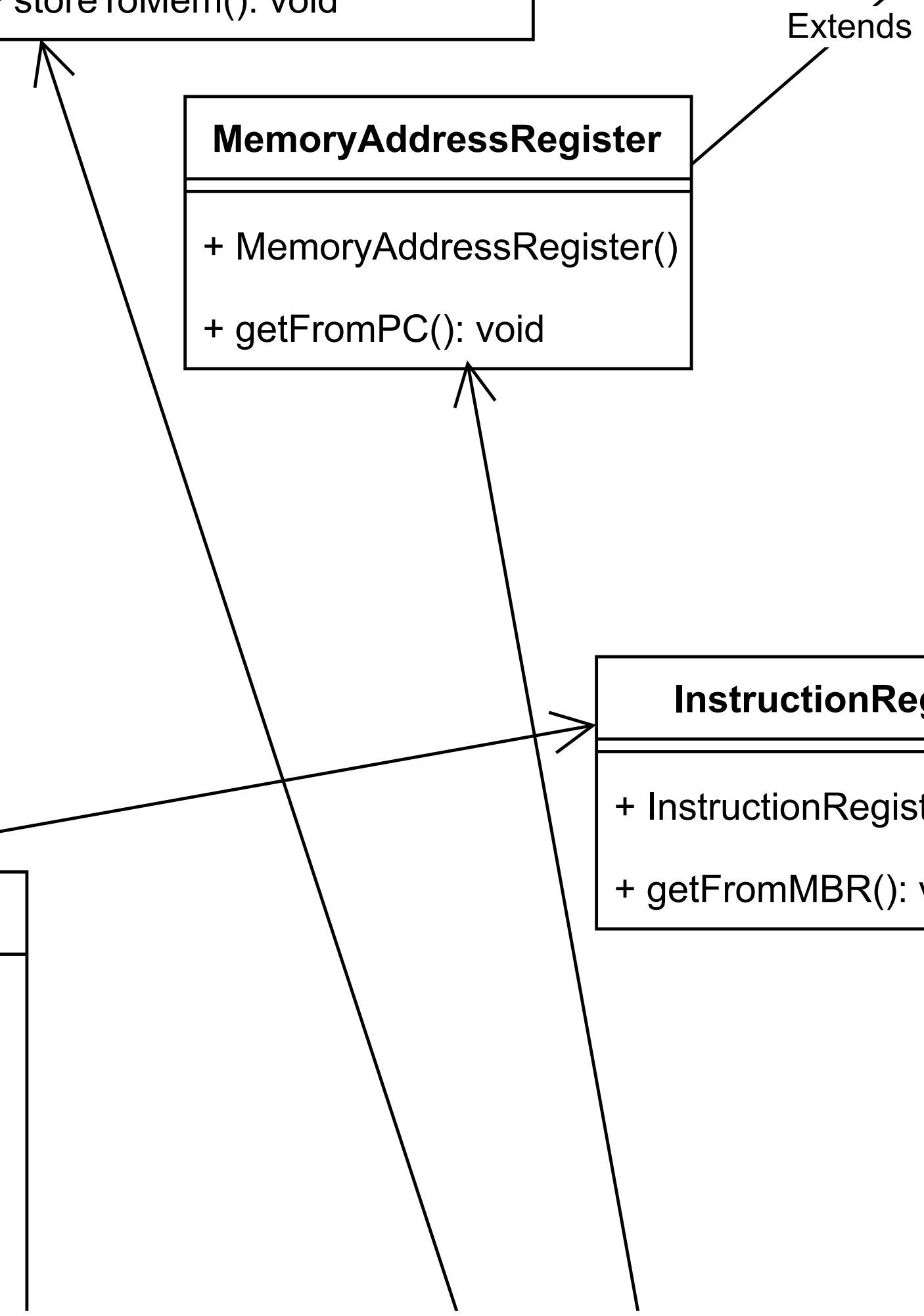

Memory
- memory: Array
- size: int
+ Memory()
+ MemoryExpansion(): void
+ getSize(): int
+ getAllMemory(): Array
+ getFromMemory(int addr): int
+setToMemory(int addr, int value):void

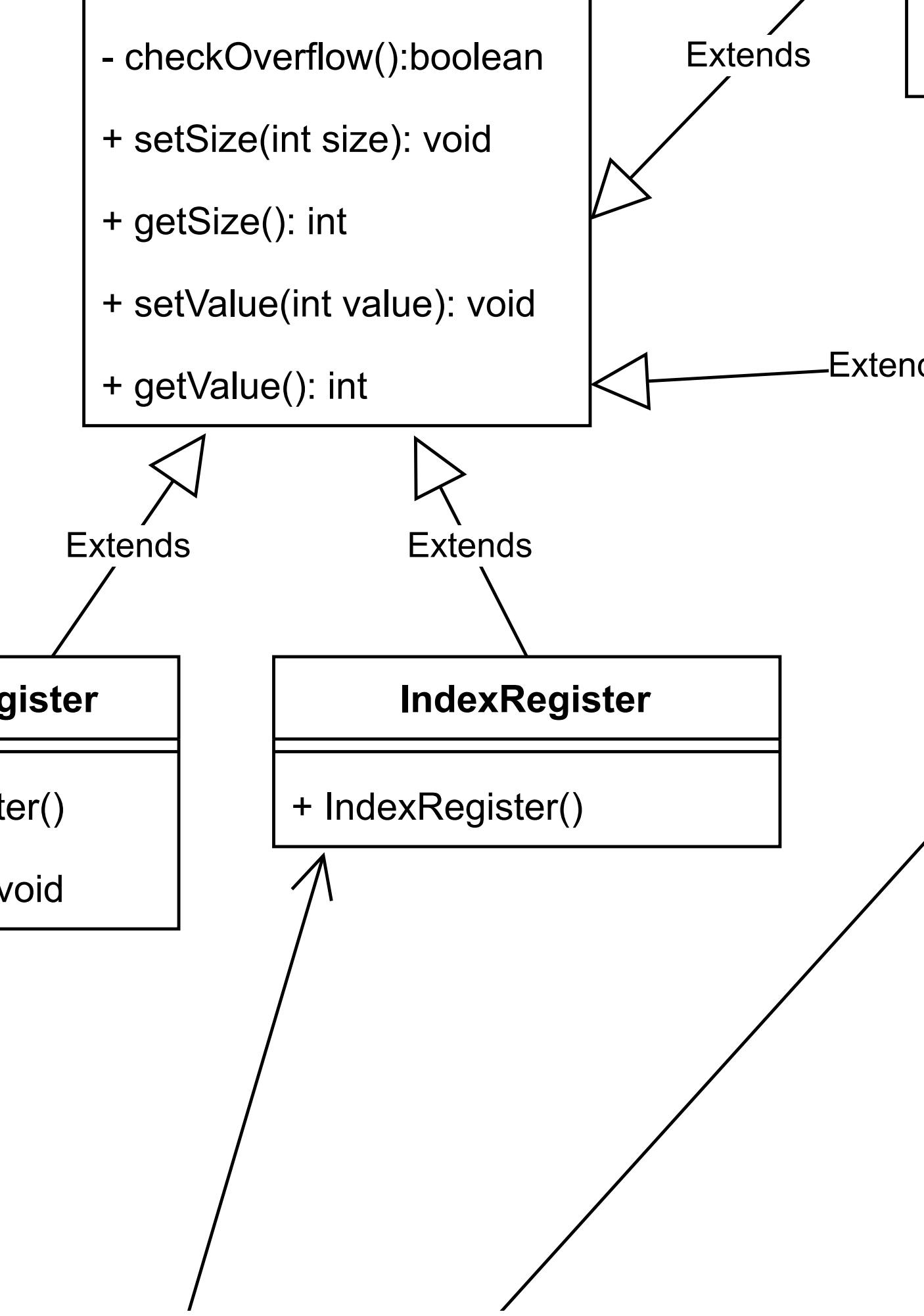

Extends
MemoryBufferRegister
MemoryBufferRegister()
getFromMem(): void
storeToMem(): void

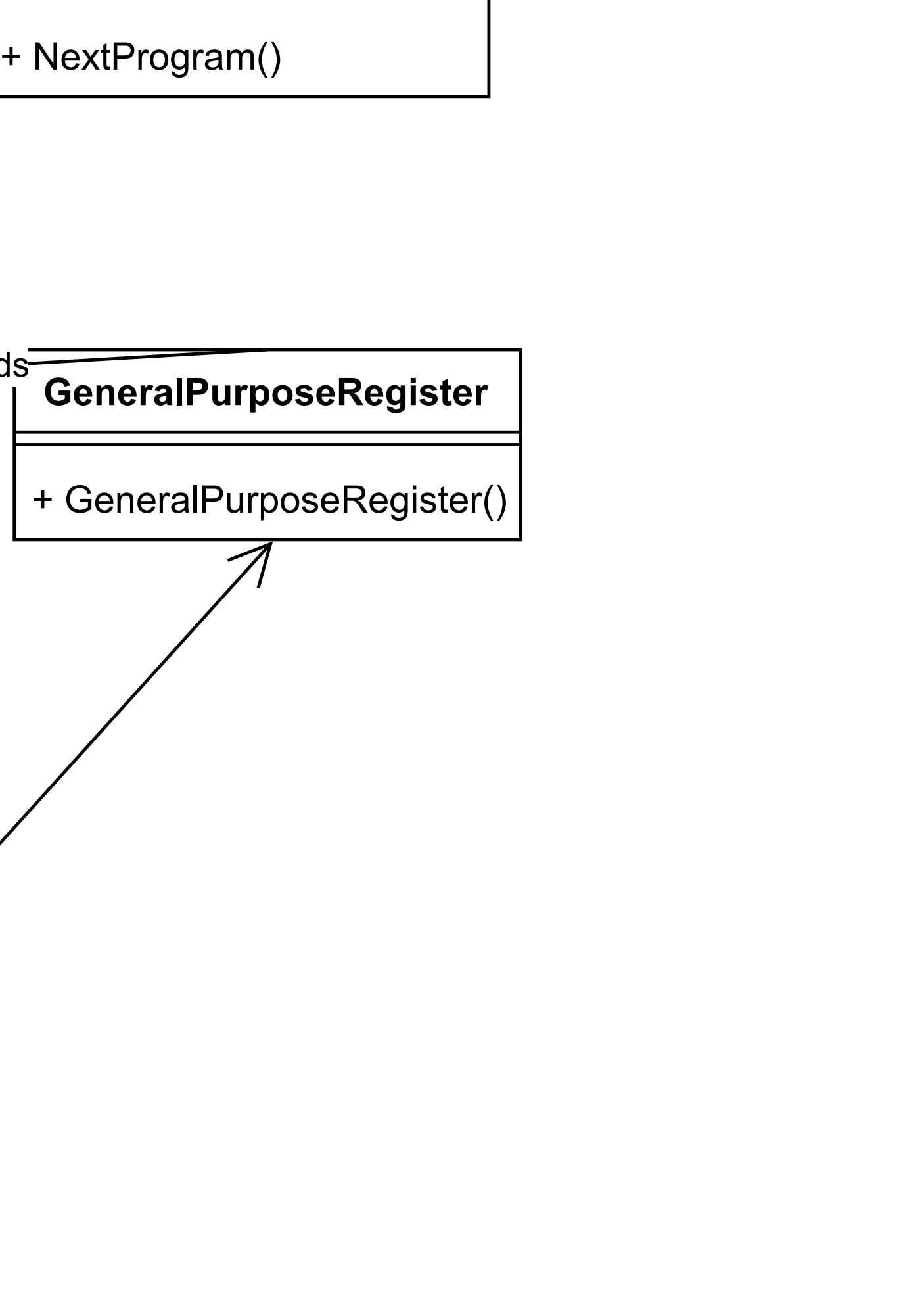

Extends
Extends
Register
- size: int
- value: int
- label: String
+ Register()
+ Register(int size,)

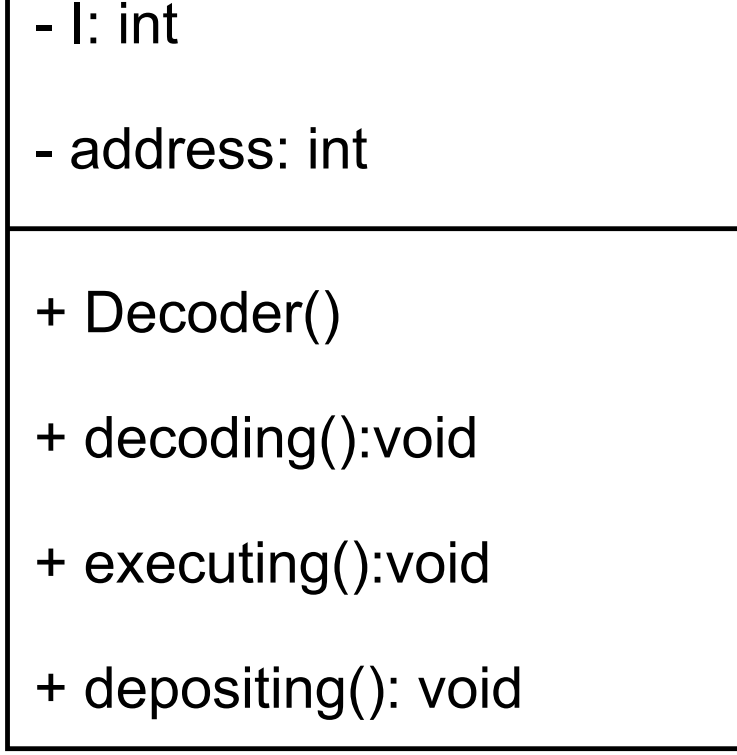

ConditionCode
onditionCode()
MachineFaultRegister
MachineFaultRegister(int value)
ProgramCounter
+ ProgramCounter()

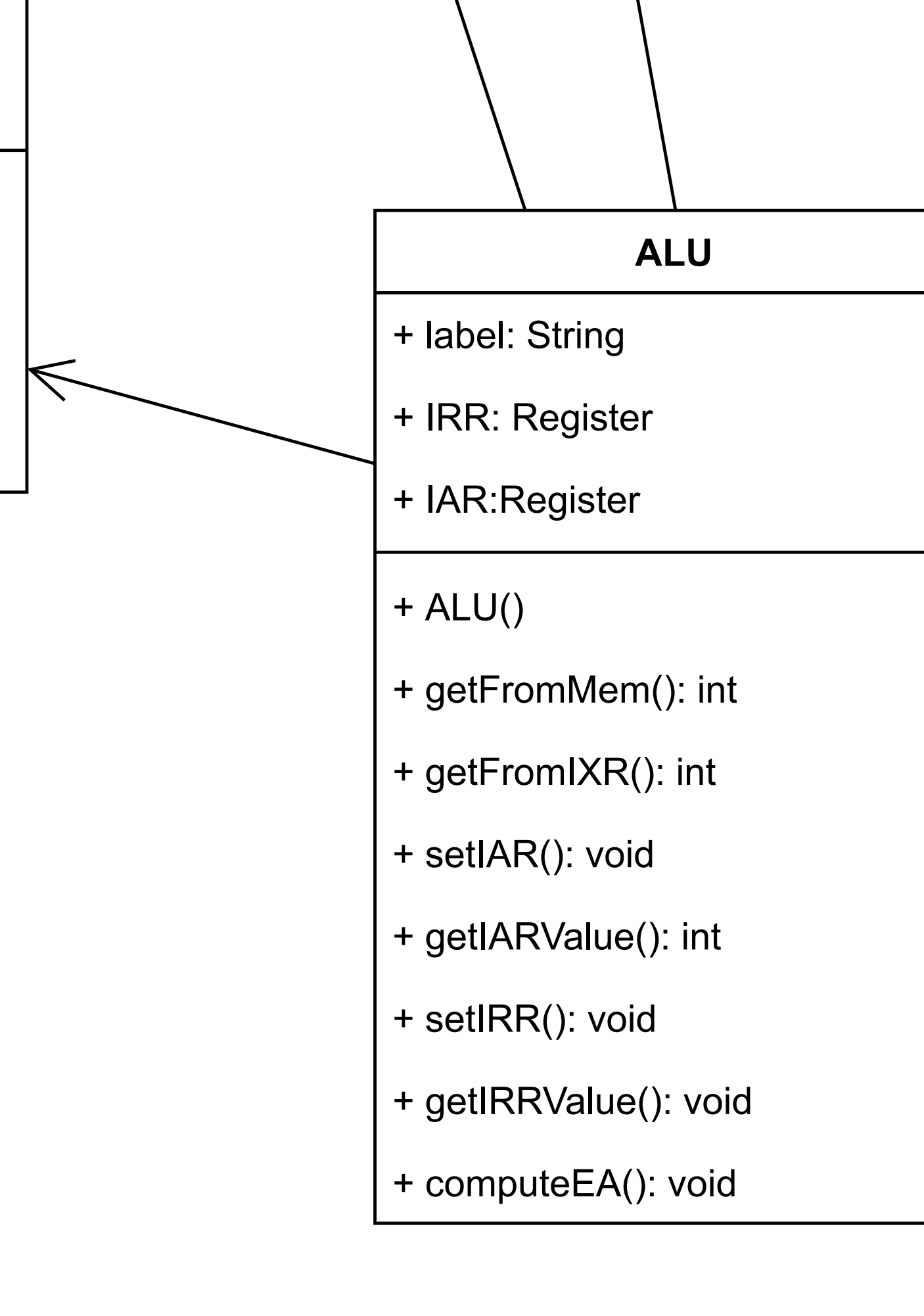

Decoder
+ label: String
- opcode: int
- R: int
- IX: int

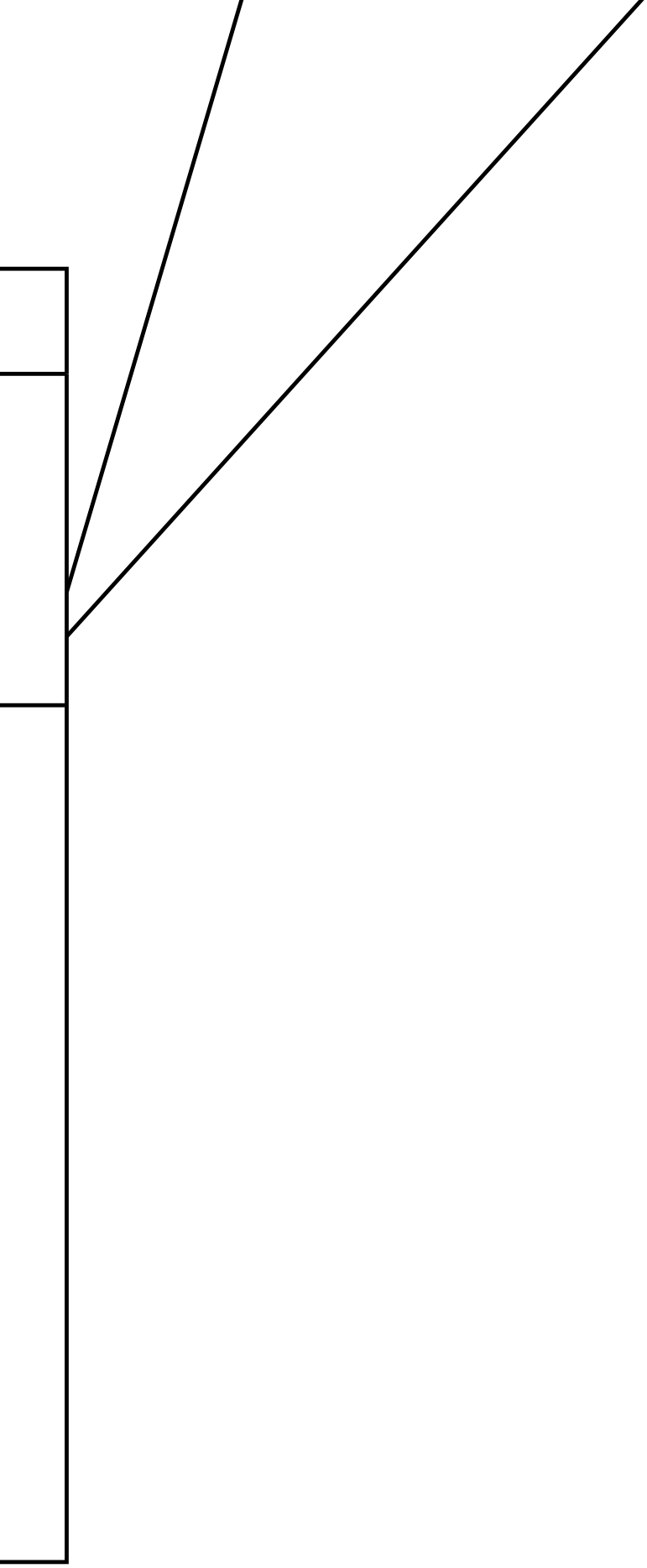

storeToMem(): void
Extends
MemoryAddressRegister
+ MemoryAddressRegister()
+ getFromPC(): void
InstructionReg
+ InstructionRegist
+ getFromMBR(): v

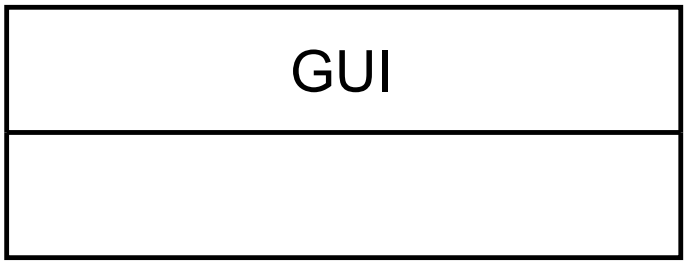

- checkOverflow():boolean
+ setSize(int size): void
+ getSize(): int
+ setValue(int value): void
+ getValue(): int
Extends
Extends
Extends
IndexRegister
+ IndexRegister()


+ NextProgram()
ds
GeneralPurposeRegister
+ GeneralPurposeRegister()


- I: int
- address: int
+ Decoder()
+ decoding():void
+ executing():void
+ depositing(): void


ALU
+ label: String
+ IRR: Register
+ IAR:Register
+ ALU()
+ getFromMem(): int
+ getFromIXR(): int
+ setIAR(): void
+ getIARValue(): int
+ setIRR(): void
+ getIRRValue(): void
+ computeEA(): void




GUI