«enumerati... memorv:: MemoryType

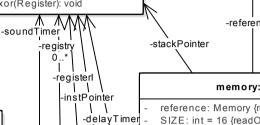
> RAM **KEYBOARD** DISPLAY

utilities::Bitwise

- UNSIGNED_BYTE_MAX: int = Byte.MAX_VALUE ... {readOnly}
- UNSIGNED SHORT MAX: int = Short.MAX VALUE... {readOny}
- and(int, int): int
- and(byte, byte): byte
- getByte(int, int): byte
- getByteAsInt(int, int): int
- getNibble(int, int): byte
- getNibbleAsInt(int, int): int
- merge(int, int): int
- or(int, int): int
- or(byte, byte): byte
- xor(int, int): int
- xor(byte, byte): byte

cpu::Register

- - maxValue: int {readOnly}
- MIN_VALUE: int = 0 {readOnly
- add(Register): boolean
- add(int): boolean
- and (Register): void
- equals(Object): boolean
- get(): int
- getMaxValue(): int
- hashCode(): int
- or(Register): void
- Register(int)
- set(int): void
- set(Register): void
- sub(Register): boolean
- sub(int): boolean
- xor(Register): void



memory::N

memory: byte

size: int {read

clear(): void

equals(Object

fill(int): void

get(int): byte

getIntValue(i

hashCode(): i

Memory (int)

set(int, byte):

set(int, int): v

size(): int

stackPointer: Register

START_POSITION:

isEmpty(): boolean isFull(): boolean

clear(): void

pop(): int push(int): void Stack(Memory)

cpu::MemoryMap

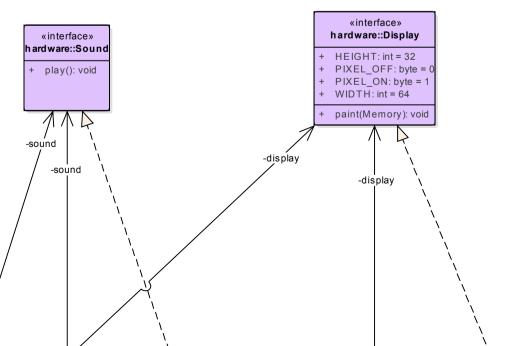
- memoryMap: Map<MemoryType, Memory>
- addMemory(MemoryType, Memory): boolear
- getMemory(MemoryType): Memory
- MemoryMap()

-memoryMap

- cpu::CPU
- delayTimer: Register {readOnly}
- displayRedraw: boolean
- INST_POINTER_START: int = 0x200 {readOnly}
- instPointer: Register (readOnly)
- instructions: List<Instruction> {readOnly}
- logger: Logger = LoggerFactory.g..
- memoryMap: MemoryMap {readOnly}
- opCode: OpCode
- registerI: Register {readOnly}
- registry: List<Register> {readOnly}
- REGISTRY_SIZE: int = 16 {readOnly}
- soundTimer: Register {readOnly}
- stack: Stack
- clear(): void
- CPU (Memory Map, List<Instruction>)
- decodeOpCode(): int
- fetchOpCode(): void
- getDelayTimer(): Register
- getDisplayRedraw(): boolean
- getInstPointer(): Register
- getMemoryMap(): MemoryMap
- getOpCode(): OpCode
- getRegisterl(): Register
- getRegistry(int): Register
- getSoundTimer(): Register
- getStack(): Stack
- initRegistry(): void
- runOpCode(int): void
- setDisplayRedraw(boolean): void

lemory
([]) {readOnly]
Only}
(t): boolean
(t): int
(nt)
(void bid

eadOnly}
nly}
{readOnly}
int = 0x01E0 {readOnly}



Ru emulator::Engine cpu: CPU DEFAULT_SPEED: int = 2 {re display: Display
interrupted: volatile boolean
MAX_SPEED: int = 3 {readOn
MIN_SPEED: int = 1 {readOn} «enumerati... emulator:: GameState sound: Sound PLAYING speed: int NO_GAME PAUSE Engine(CPU, Display, Sound) getSpeed(): int isInterrupted(): boolean -gameState run(): void setInterrupted(boolean): void set Speed (int): void -en

