**FACULTY OF COMPUTERS AND ARTIFICIAL**

**INTELLIGENCE, CAIRO UNIVERSITY**

**CS213: Programming II**

**Year 2022-2023**

**First Semester**

**Assignment 2 – Version 2.0**

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| Memory class  Protected:  Public:  Map<string,string>memory  Void Readfile  Void Clear  const map<string, string>&getMemoryMap() const |

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| CPU class  Private:  Vector<string> Registers  Public:  Void setRegister()  Void Clear()  String DisplayRegister() |

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| Machine class  Private:  Memory Storage  CPU Registers  Int PC = 0  Public:  Friend void Menu()  Void RunFull()  Void RunSBS()  Void Display()  Void DisplayRegisters()  Void Reset Register()  Private:  (some functions used in the RunFull and RunSBS functions) |

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| debugging and testing | Maria Alfons 20220265 |