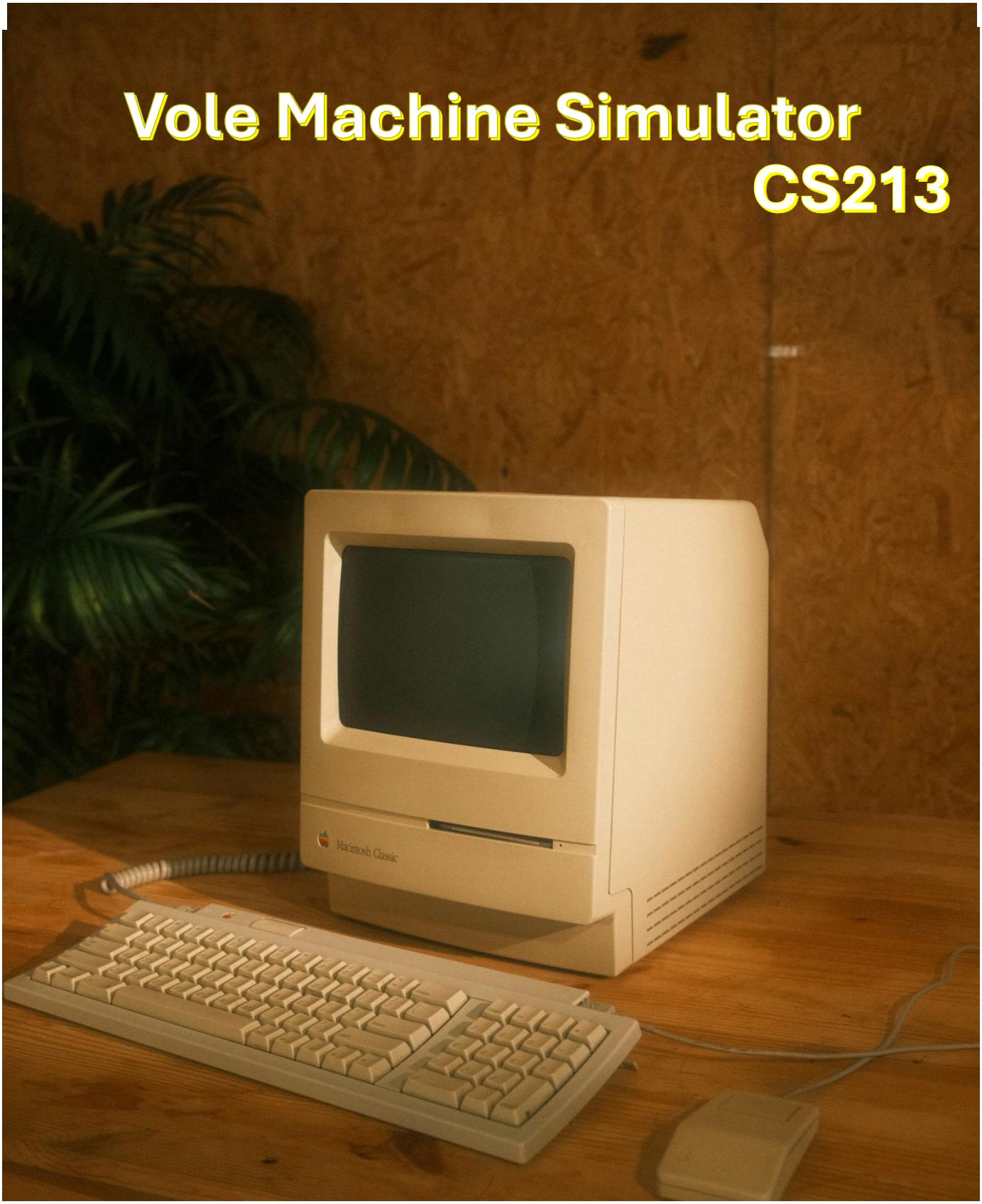
Vole Machine Simulator
CS213



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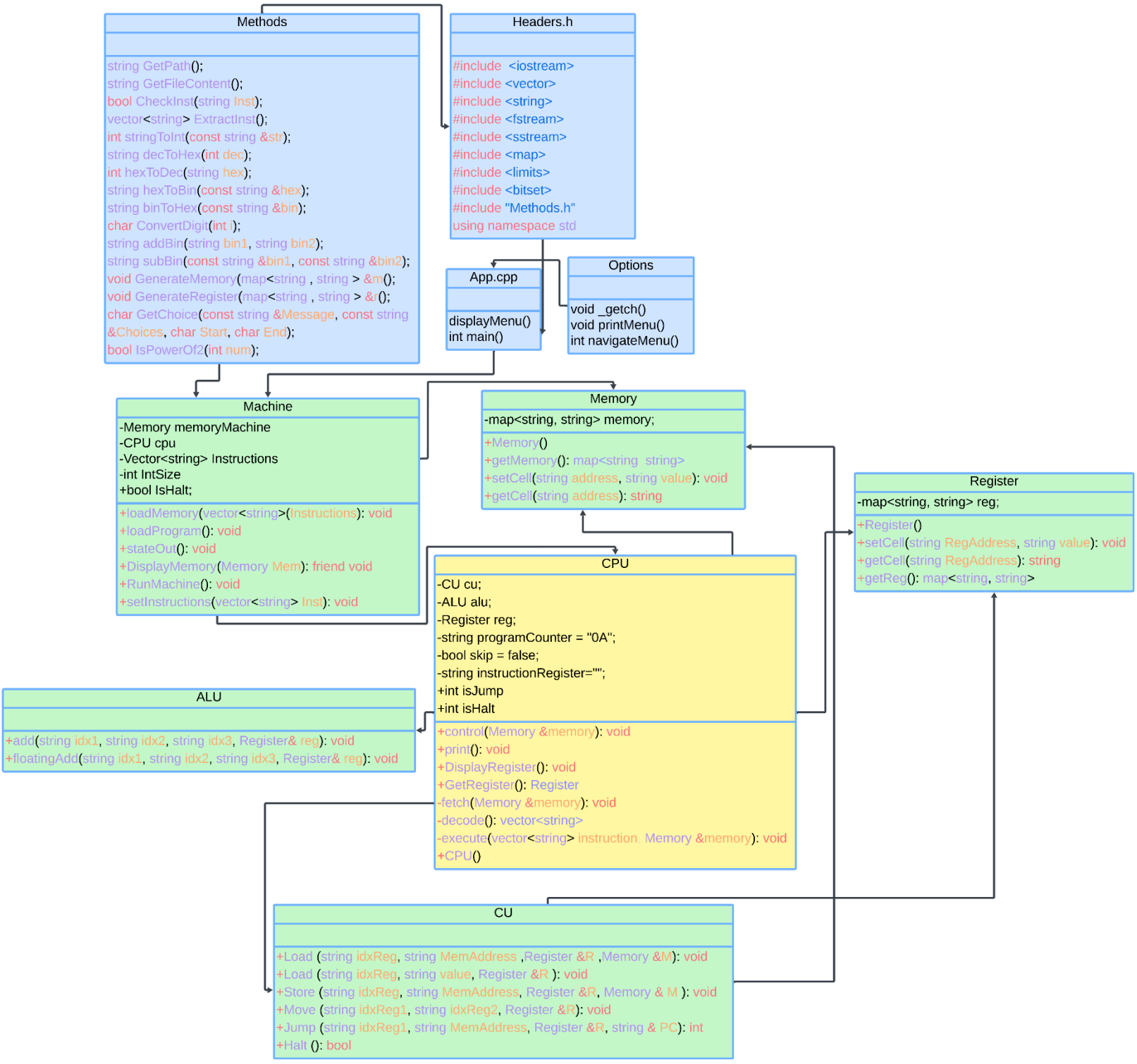
Hossam Abdelaziz	20230121

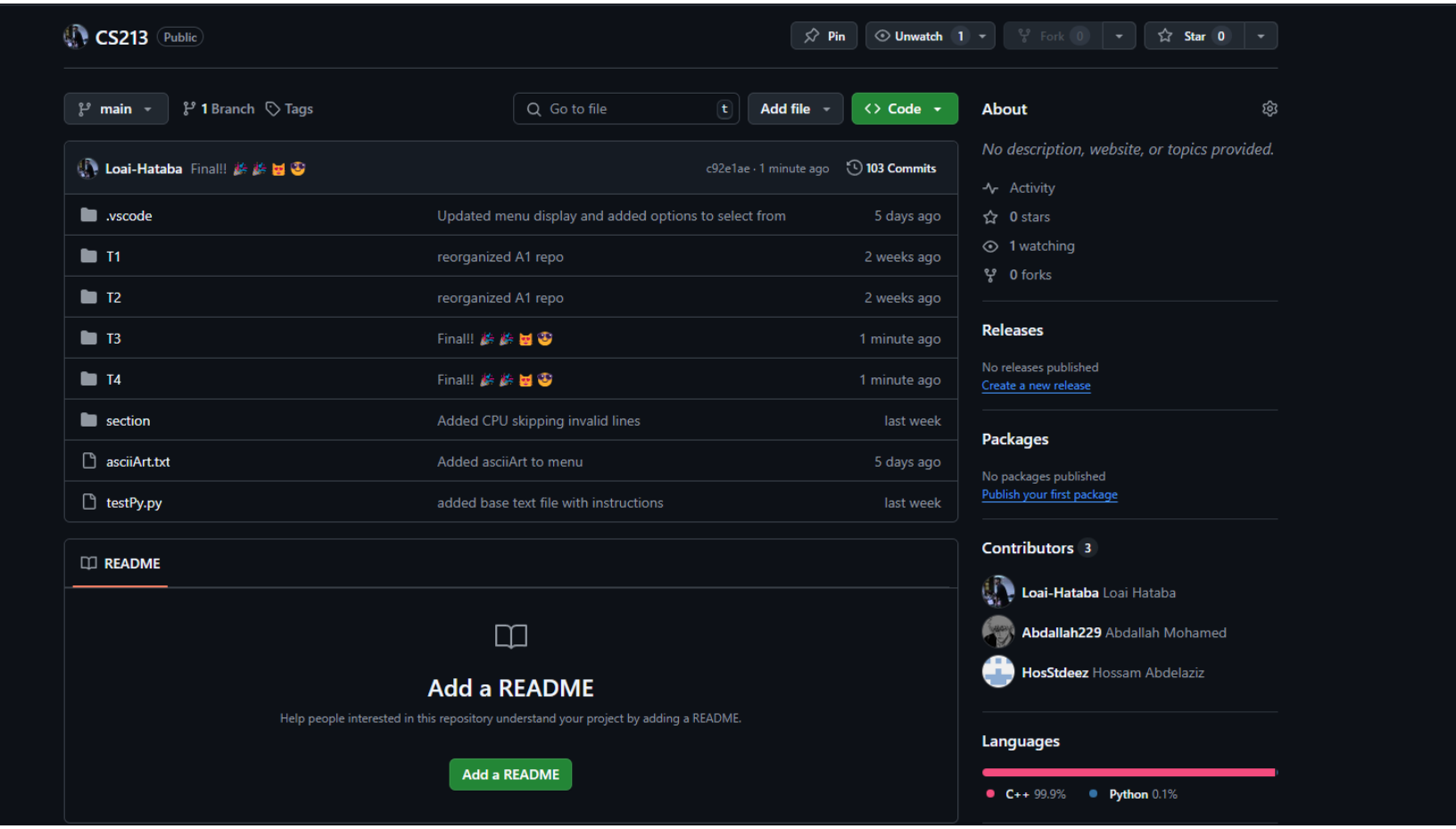
UML System Design



Workload Split:

- **App (Loai, Abdullah, Hossam)**
  The Main app that handles menu display and input.
- **Machine (Loai, Abdullah, Hossam)**
  Extracts instructions from file and stores it in memory and calls out the CPU to handle programs.
- **Memory (Abdullah)**
  The Main memory where the programs are stored.
- **Register (Abdullah)**
  The random-access memory where programs processes are stored in.
- **CPU (Loai)**
  The Processing Unit which calls the needed resources and processes to execute the command.
- **CU (Abdullah)**
  The Computation unit which handles the processes such as storing in the registers and memory and skipping instructions.
- **ALU (Hossam)**
  The Arithmetic unit which handles the mathematical operations.
- **Headers.h (Abdullah)**
  All C++ necessary libraries iostream, string, ...etc.
- **Methods (Loai, Abdullah, Hossam)**
  Some commonly used functions in the machine system.
- **Options (Loai)**
  Allows the user to use keyboard keys to navigate through the menu.

GitHub Repo:


CS213
Public
Pin
Unwatch 1
Fork 0
Star 0
main
1 Branch
Tags
Go to file
t
Add file
Code
Loai-Hataba Final!! 🎉 🎉 😻 😍
c92e1ae · 1 minute ago
103 Commits
.vscode
Updated menu display and added options to select from
5 days ago
T1
reorganized A1 repo
2 weeks ago
T2
reorganized A1 repo
2 weeks ago
T3
Final!! 🎉 🎉 😻 😍
1 minute ago
T4
Final!! 🎉 🎉 😻 😍
1 minute ago
section
Added CPU skipping invalid lines
last week
asciiArt.txt
Added asciiArt to menu
5 days ago
testPy.py
added base text file with instructions
last week
README
Add a README
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Contributors 3
Loai-Hataba Loai Hataba
Abdallah229 Abdallah Mohamed
HosStdeez Hossam Abdelaziz
Languages
C++ 99.9%
Python 0.1%