CSCI 6461 Computer System Architecture Project Part 2 User Guide Team 12

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Preparation Instructions

Install Java.

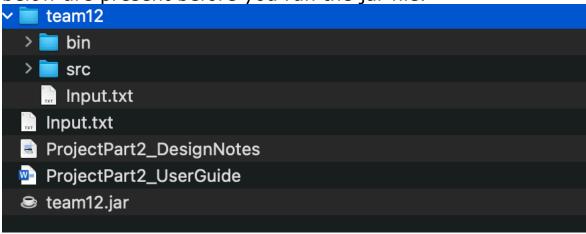
Download the below file from the blackboard.

Filename: team12.zip

Execution Instructions:

1. Download the file named team12.zip.

2. Extract Zip file and make sure all the files indicated below are present before you run the jar file.



3. Double click on team12.jar to run the jar file/ open terminal and execute "java -jar team12.jar" from the folder where you have these files.

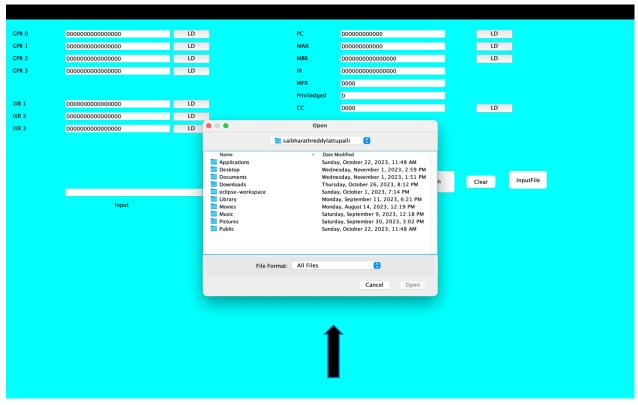
Updates in this Phase:

In this phase we have added an extra feature to take a file with Instructions from the user and convert its contents to hexadecimal format.

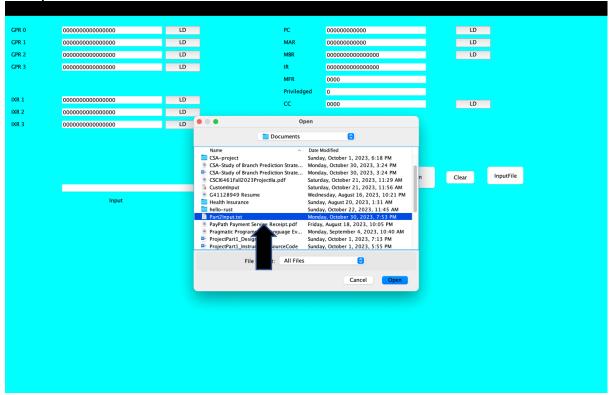
Operating the Simulator

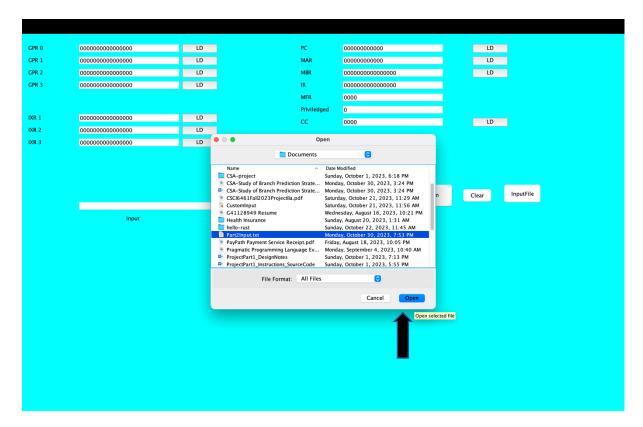
1. Click on "InputFile" button. A popup will appear asking the user to select their intended file.



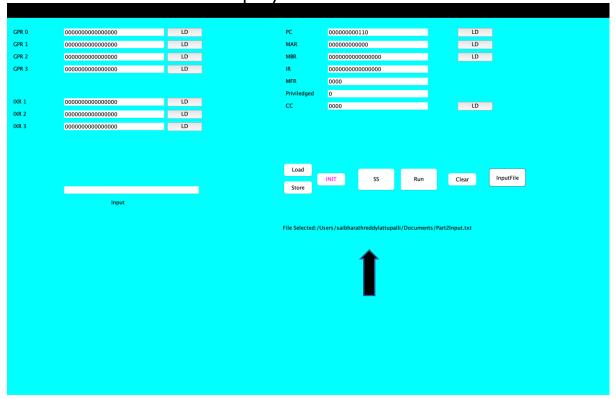


2. Select the file, here I have selected "Part2Input.txt", click on open.

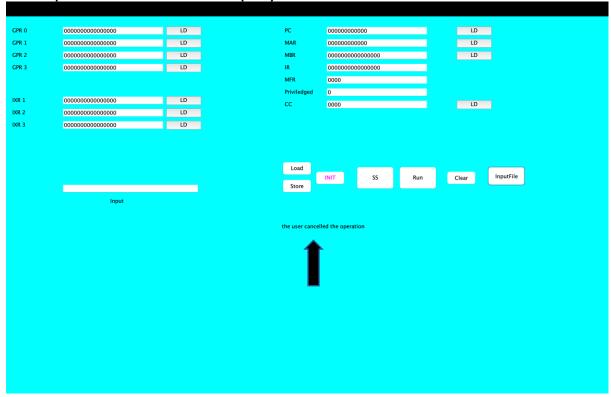




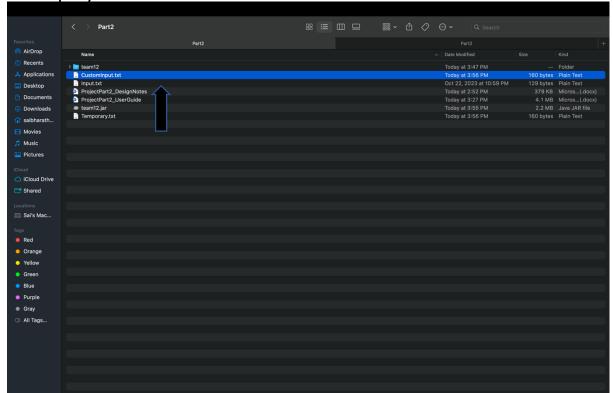
3. If file is selected successfully then the absolute path of the selected file will be displayed on the UI.



Else, If user has clicked "Cancel" in step 2, "the user cancelled the operation" will be displayed on the UI.



4. If file is selected successfully, then its contents will be converted to hexadecimal format will be written to a new file "CustomInput.txt" and the first address in this file will be displayed at "PC".





Content of "Part2Input.txt"(User File)

```
Deta 10
Data 3
Data End
Data 0
Data 12
Data 9
Data 18
Data 12
LDX 2,7
LDR 3,0,10
LDR 1,2,10,1
LDA 0,0,0
LDX 1,9
JZ 0,1,0
LOC 1024
End: HLT
```

Content of "CustomInput.txt" (generated File)

