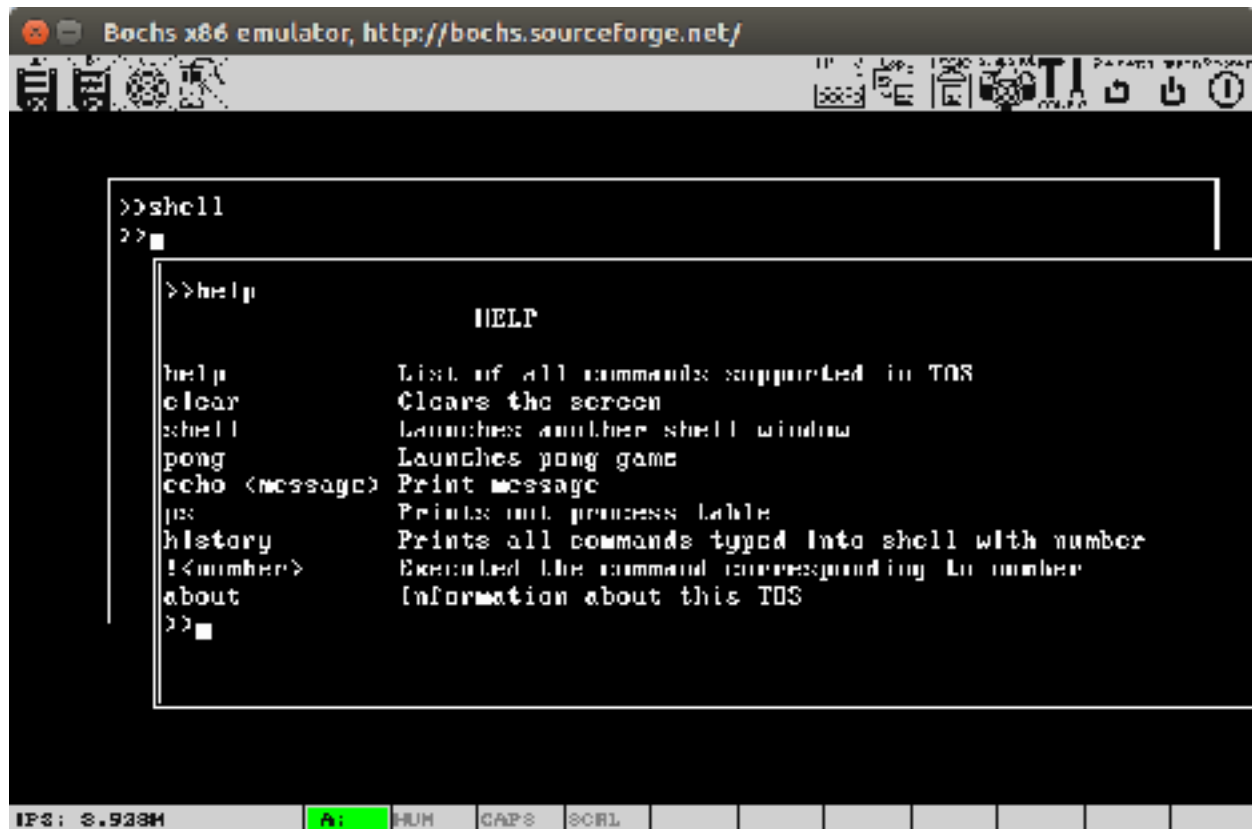


CSC 720 - Operating Systems Project Visuals

TrainOS command window

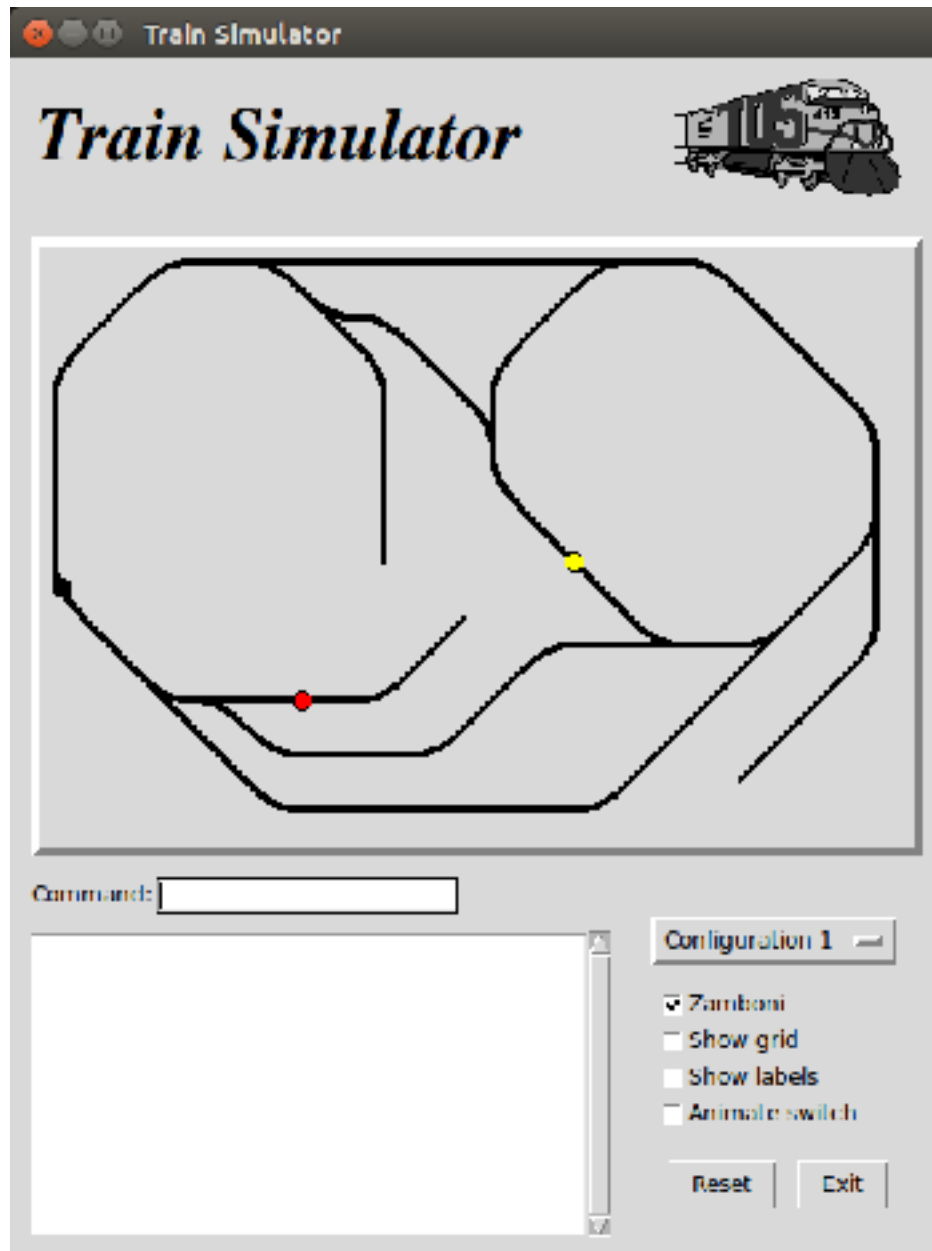


```
Bochs x86 emulator, http://bochs.sourceforge.net/

>>shell
>>
  >>help
  HELP
  help      List of all commands supported in TOS
  clear     Clears the screen
  shell     Launches another shell window
  pong      Launches pong game
  echo <message> Print message
  ps        Prints out process table
  history   Prints all commands typed into shell with number
  !<number> Executes the command corresponding to number
  about     Information about this TOS
  >>
```

All the commands were programmed in C with their functionalities replicating the corresponding Linux commands.

Train simulator



Here, a rail track is simulated with train(yellow dot), Zamboni(black dot) and a wagon(red dot). There are 4 configurations where the train and wagon are placed at different position of the rail track.

This train application works as separate process under the TOS. It is programmed in C to detect the configuration and position of Zamboni. Once the configuration and position, then the train moves to reach the wagon, dock and brings it back to the starting position avoid the zamboni through out the way.