CSC 720 - Operating Systems
Project Visuals

TrainOS command window

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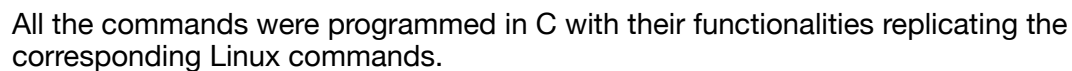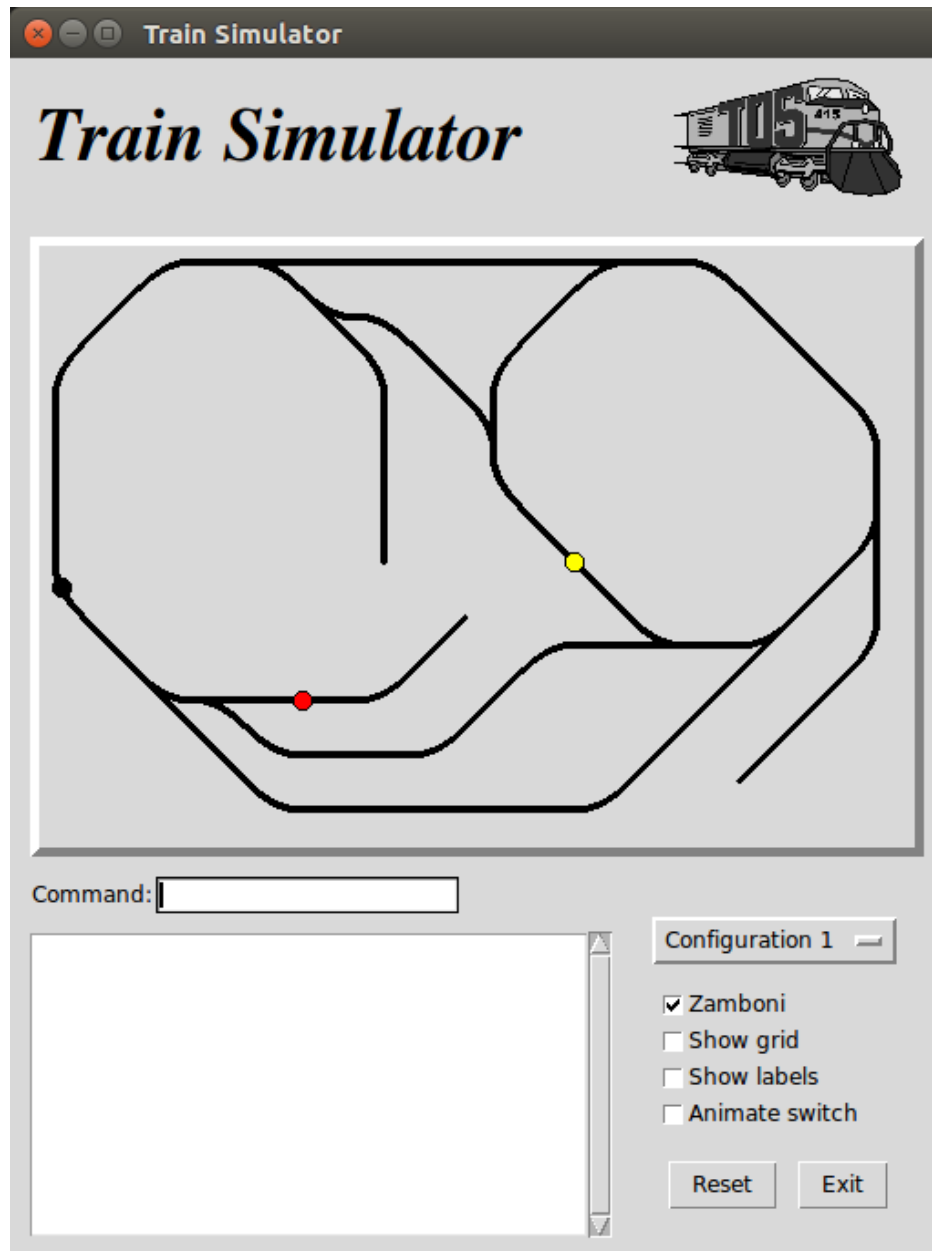
Train simulator

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.