Cycle number
Spin control to select number of cycles to run simulation

Speed Control
Clicking cycles through simulation speeds available (0.5x to 8x)

Control Buttons
Run, pause or stop simulation.
Space Button runs and pauses the simulation

Switch Toggle
Slider allows user to change the state of each switch (0 or 1)

Switch Button
Change all states of the switches simultaneously

Zap Button
Remove specific signals from monitor list

Drop-down menu
Theme changes display from light-mode to dark-mode

Monitor Buttons
Add specific signals to monitor list or remove all signals being monitored

Drop-down menu
File is go-to resource for help (shortcuts available)

Singal Name
Name of monitored signal

Colour-coordinated signals
Signals in 'Monitors' have same colours as signal outputs

Time steps
Progress of singal outputs as cycles progress

Simulation Status Indicator
Shows stopped or running status including number of cycles running for

Instructions to run GUI

1. Git clone repository
2. Navigate to appropriate directory (cd ./logsim)
3. Run simulations for example EBNF text files by running command "python logsim.py test_adder.txt" or command "python logsim.py test_flip_flop.txt" in terminal
4. GUI opens