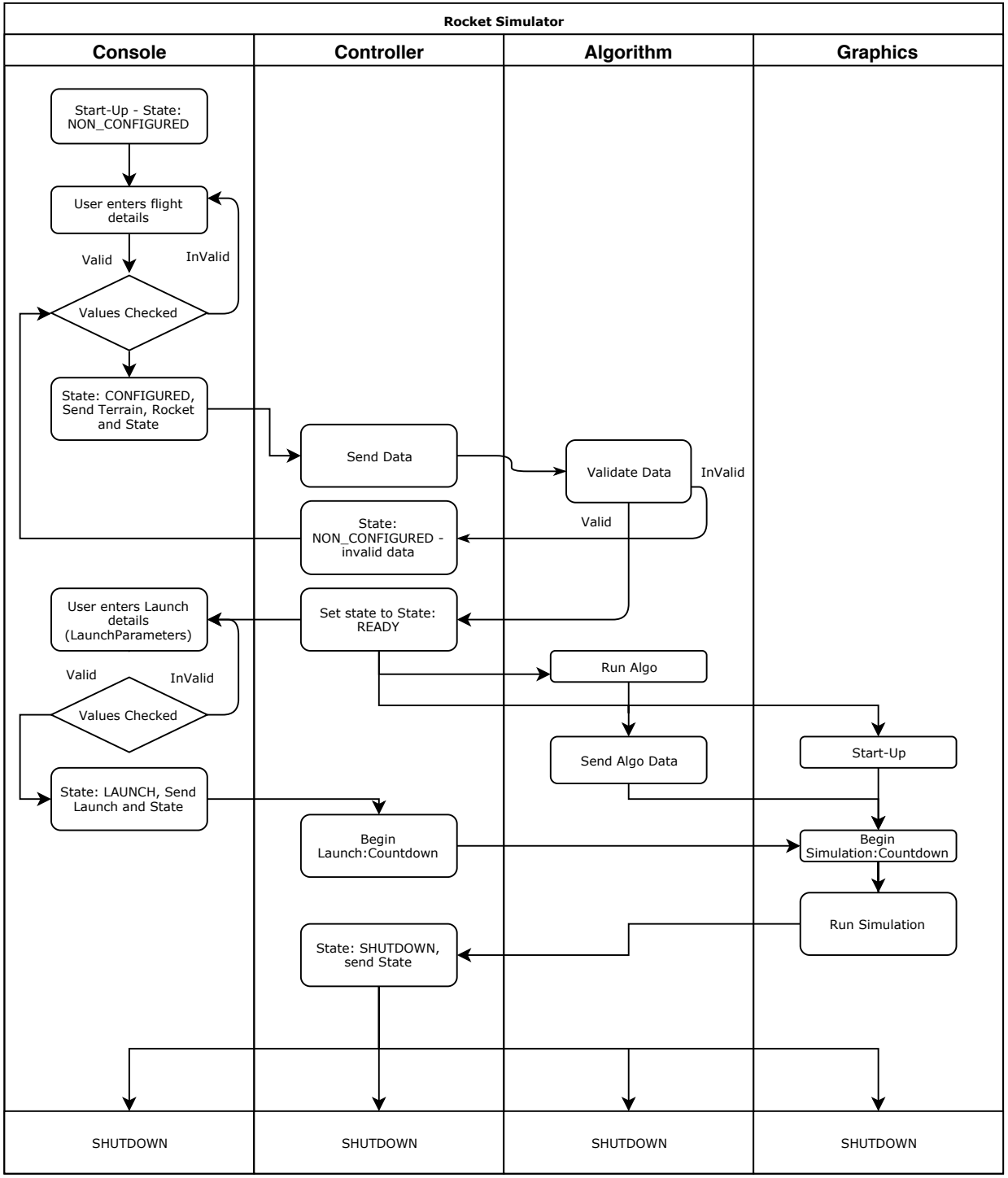
Rocket Simulator
Console
Controller
Algorithm
Graphics
Start-Up - State: NON_CONFIGURED
User enters flight details
Valid
InValid
Values Checked
State: CONFIGURED, Send Terrain, Rocket and State
Send Data
Validate Data
InValid
Valid
State: NON_CONFIGURED - invalid data
User enters Launch details (LaunchParameters)
Set state to State: READY
Run Algo
Valid
InValid
Values Checked
Send Algo Data
Start-Up
State: LAUNCH, Send Launch and State
Begin Launch:Countdown
Begin Simulation:Countdown
Run Simulation
State: SHUTDOWN, send State
SHUTDOWN
SHUTDOWN
SHUTDOWN
SHUTDOWN