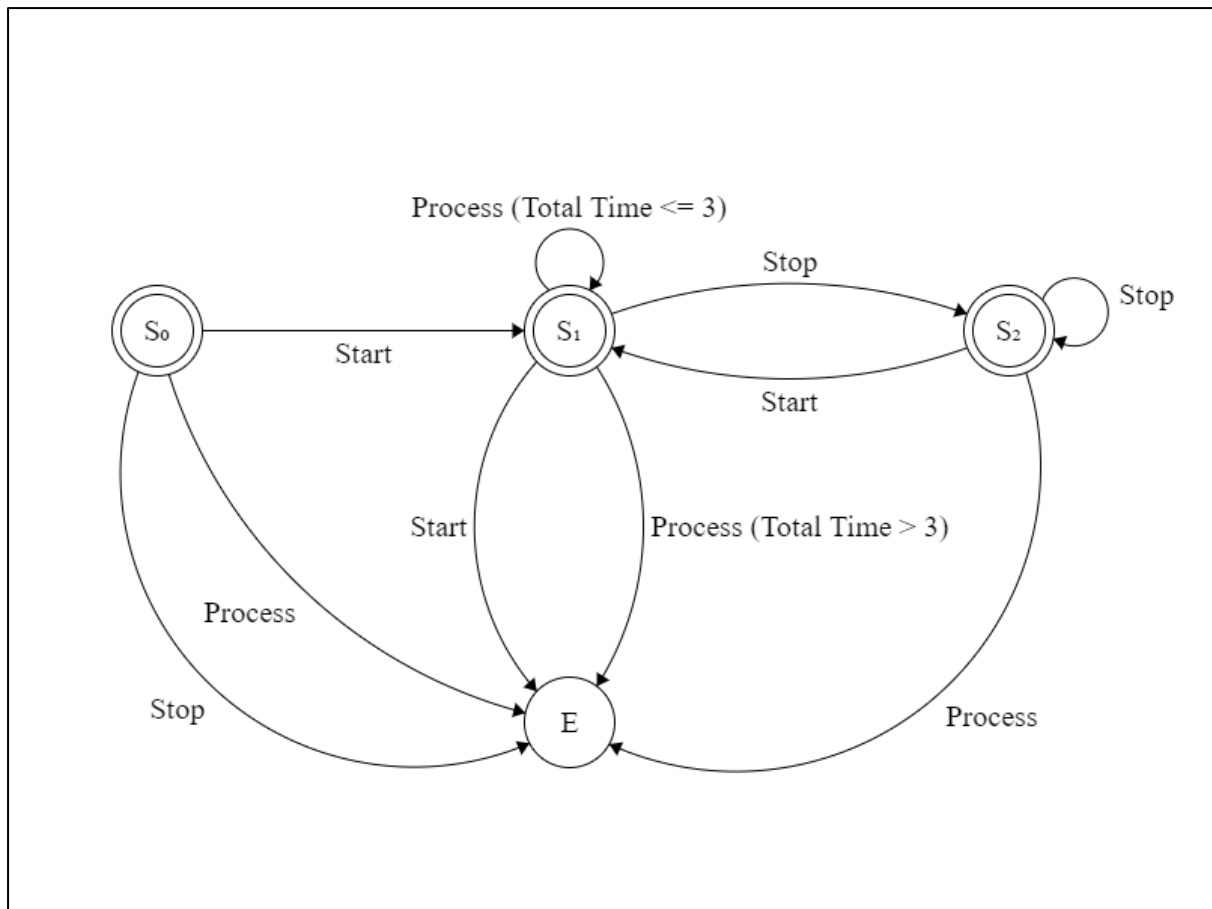# PROGRAM ANALYSIS – ASSIGNMENT 5

Harish Fulara – 2014143

Report

Following is the finite state diagram for the given assignment as per my implementation.

The DFA has following states:

1. S_0 : This is the state of the server when it is CREATED.
2. S_1 : This is the state of the server when it is RUNNING.
3. S_2 : This is the state of the server when it is STOPPED.
4. **E** : This is the error state. The server is in this state if any of its property is violated.