

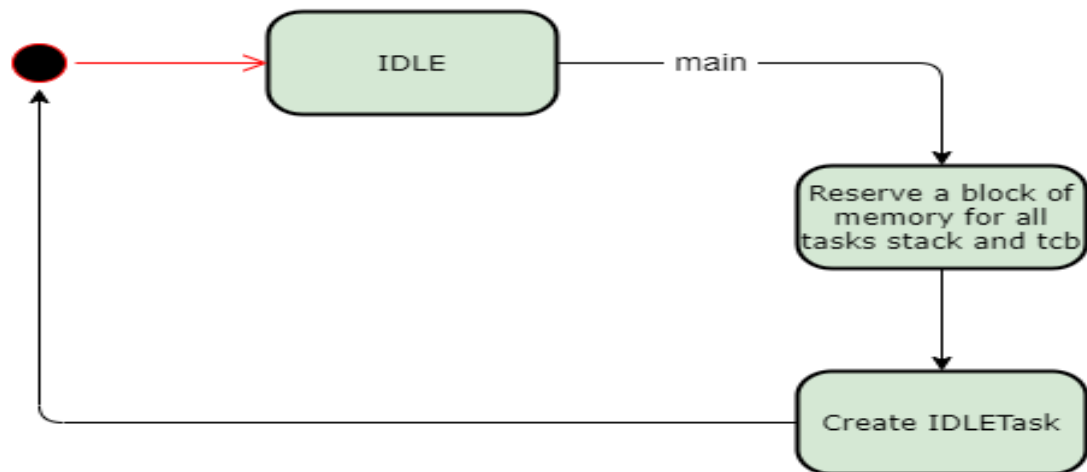
Small OS design

By/ [Ahmed Maged](#)

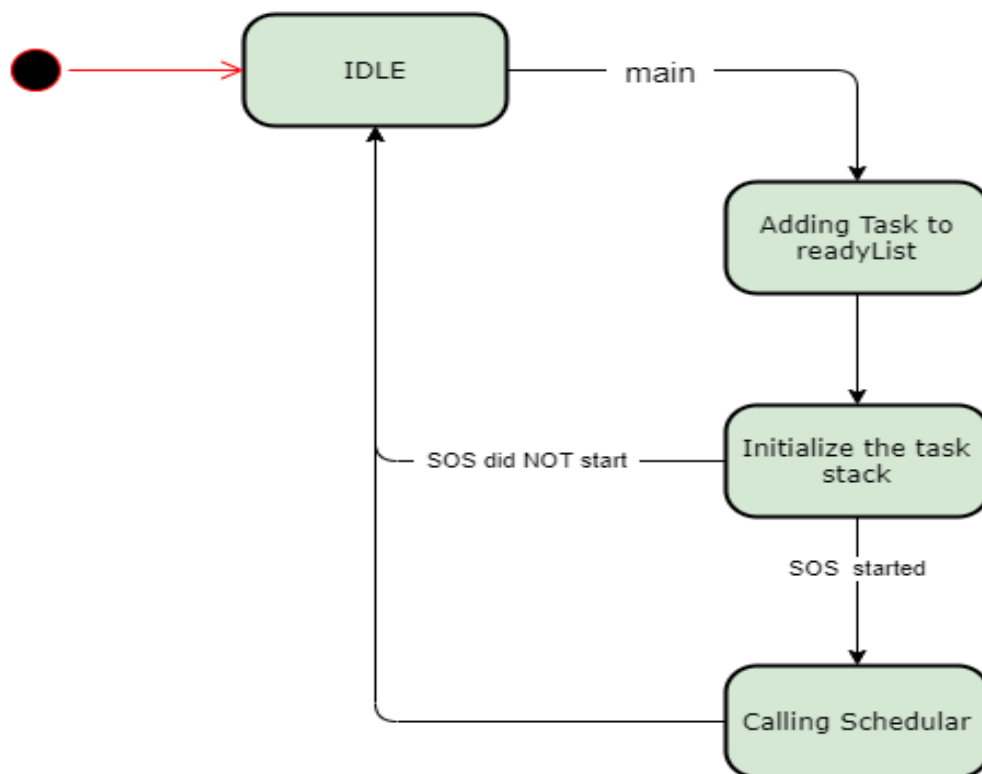
APIs

- `SOS_Init();`
- `SOS_createTask();`
- `SOS_Start();`
- `SOS_Delay ();`

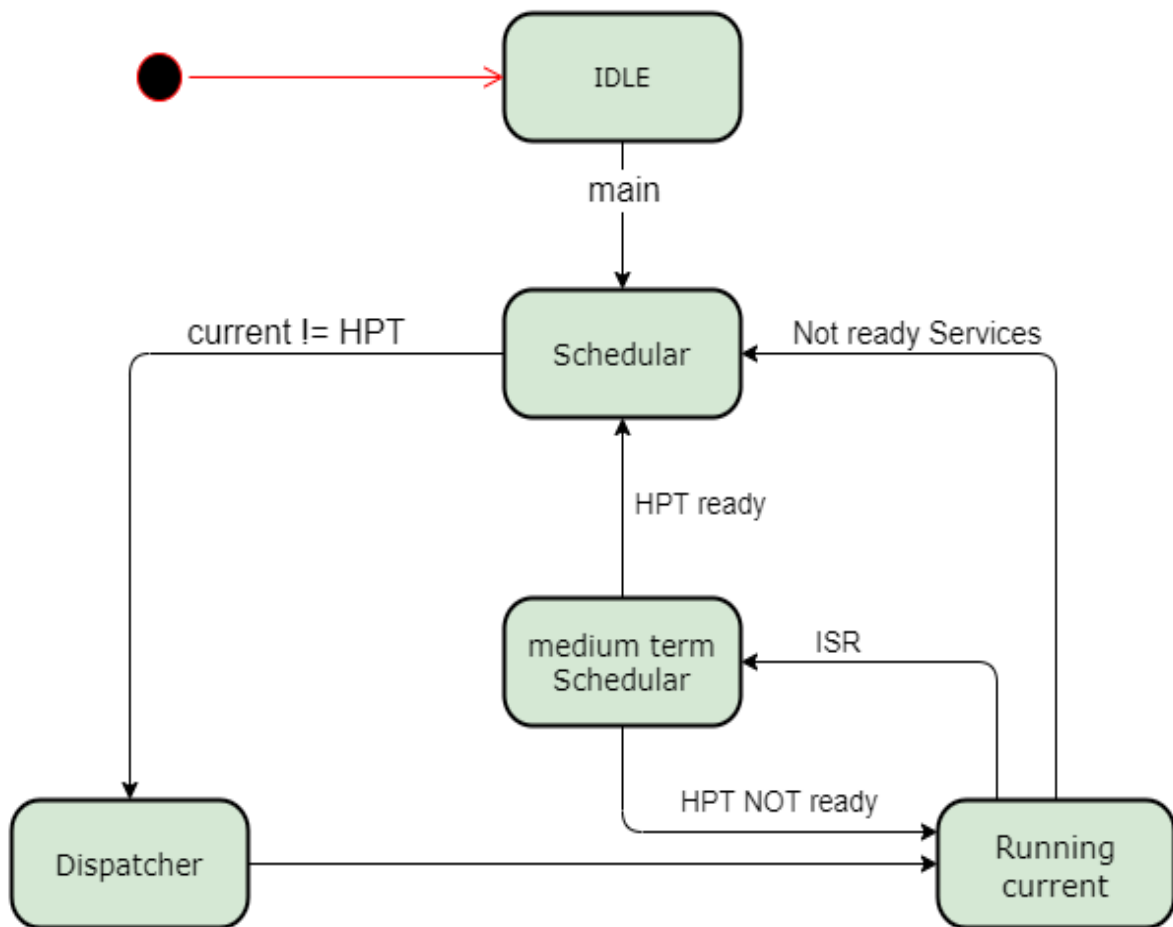
SOS_Init state machine



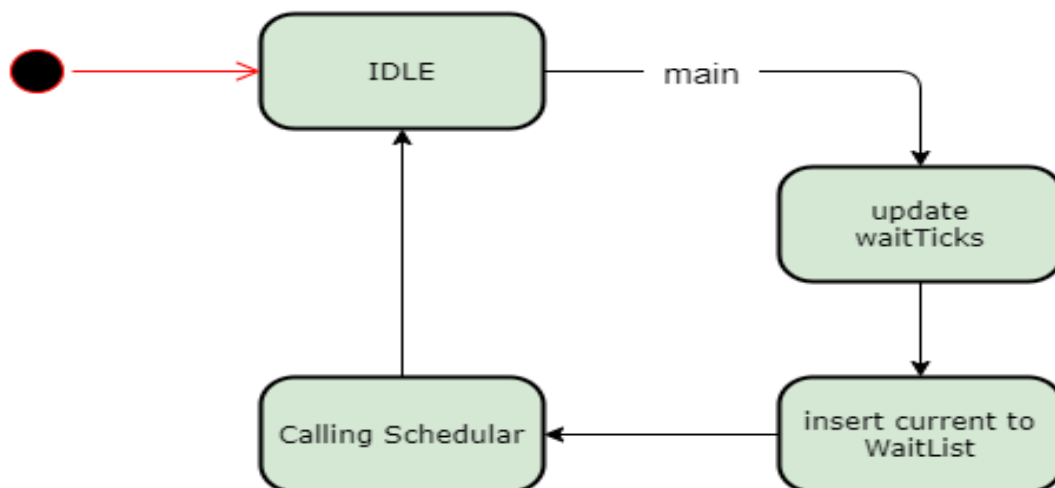
SOS_createTask state machine



SOS_Start state machine



SOS_Delay state machine



Sequence diagram to show:

The switch between HPT and LPT depending on being ready and preemption.

