



OPERATING SYSTEM PROJECT
SLEEPING BARBER
PROBLEM

Group Members:

- 1) Bilal Ahmed Khan (20k-0183)
- 2) Zulnoor Siddiqui (20k-1090)
- 3) Wamiq Akram (20k-1857)

Abstract:

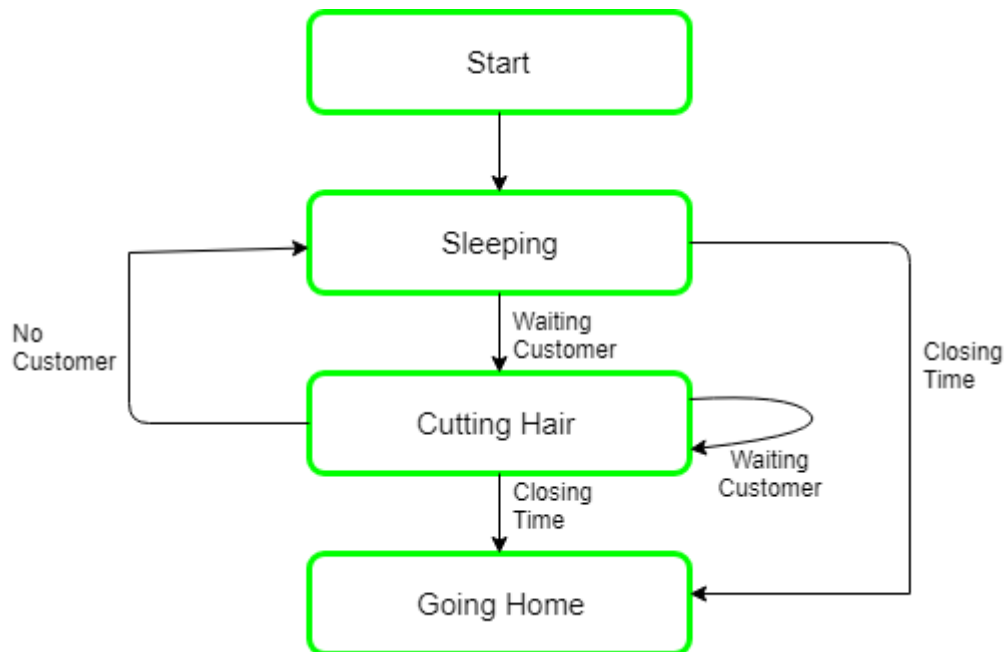
This Project intends to apply the concepts learnt in Inter-Process communication to solve the Sleeping Barber Problem.

Problem Statement:

The analogy is based upon a hypothetical barber shop with one barber. There is a barber shop which has one barber, one barber chair, and n chairs for waiting for customers if there are any to sit on the chair.

- If there is no customer, then the barber sleeps in his own chair.
- When a customer arrives, he has to wake up the barber.
- If there are many customers and the barber is cutting a customer's hair, then the remaining customers either wait if there are empty chairs in the waiting room or they leave if no chairs are empty.

Program Structure:



Technologies used in the Project:

- 1) Linux Operating System
- 2) VmWare virtual machine

THE END