Course Project Report Template

Name:

- **Program code explanation.**
  In this section, please answer the following questions by providing the corresponding pseudo codes if necessary. You may add extra explanation if needed.
    1. How many threads did you create, and what are their specific functionalities? Describe these based on pseudocode.
    2. What is the duration of your virtual minute in the simulation (e.g., 10 ms, 100 ms)?
    3. How many semaphores, mutex locks, and condition variables did you use? Explain the reasons for using these synchronization objects.
    4. Are there any race conditions in the project? If so, how do you avoid them?
    5. How do you synchronize the threads every minute?

- **Table output**

(N,M)	Total Arrival	Total GoAway	Rejection Ratio	Average Wait Time (mins)	Max Waiting Line
N=2,M=7					
N=2,M=9					
N=4,M=7					
N=4,M=9					
N=6,M=7					
N=6,M=9					

- **Figure outputs and related descriptions.**

People Arrival

25,45,35,25

Waiting Queue

car=2,person=10
car=4,person=10
car=6,person=10

GoAway People

car=2,person=10
car=4,person=10
car=6,person=10