**FREIGHT MANAGEMENT SYSTEM**

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1. **Acknowledgement:**

All three of us would like to extend our gratitude to each other for the contribution each of us gave in this project. Each member equally participated in the project.

1. **Introduction:**

Our project is based on the Sleeping Barber problem. In this problem a barbershop consists of a waiting room with n chairs and the barber room containing the barber chair. If there are no customers to be served the , the barber goes to sleep. If the barber is busy but chairs are available, then the customer sits in on one of the free chairs. If the barber is asleep, the customer wakes up the barber.

1. **Tools and technologies used:**

* IDEused: gedit
* Libraries used:

1. #include<linux/semaphore.h>
2. #include<linux/kthread.h>
3. #include<linux/delay.h>
4. #include<linux/unistd.h>
5. #include<linux/module.h>
6. #include<linux/init.h>

**Programming concepts used:**

1. Kernel programming
2. Kernel Semaphores
3. Kernel threads
4. Conditional statements
5. Functions
6. Global variable
7. **Link to source:**

No links

1. **Future Work:**

We would like to include filing and GUI in our project in the future. Since we had not studied these topics, we couldn’t, unfortunately, include it in our current work.