**作業系統期末專案報告  
第14組**

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報告實作主題、內容簡介

主題：The Sleeping Barber (SB) Problem

內容：The barber shop has m barbers with m barber chairs, and n chairs (m < n) for waiting customers, if any, to sit in. If there are no customers present, a barber sits down in a barber chair and falls asleep. When a customer arrives, he has to wake up a sleeping

barber. If additional customers arrive while all barbers are cutting customers’ hair, they either sit down (if there are empty chairs) or leave the shop (if all chairs are full). The thread synchronization problem is to program the barbers and the customers without

getting into race conditions.

執行緒(Thread)類型需求、各自功能

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組內分工

103703013 資科三 黃育萱：GUI / 部分程式碼(WIN->MAC)  
103703015 資科三 蔡雨芝：程式碼撰寫(pthread->thread)  
103702012 心理三 陳冠聞：程式碼撰寫(pthread)