

### INF 113 Assignment 3:

In assignment 1, you were asked to draw a use case diagram for an E-ticket system. Now, you are required to draw an Interaction (sequence) Diagram for an E-ticket purchasing scenario for a user who has already registered. To simplify the question, we specify the process of purchasing as follows:

Step 1: the user logs in to the E-ticket system.

Step 2: after a successful login, the user starts to input the date or venue to check ticket availability.

Step 3: if the tickets are available, the user will make a selection.

Step 4: Once selection finished, the user will be directed to a payment page.

Step 5: the user will input his/her account information for online payment.

Step 6: the payment system will return a confirmation to the user.

Step 7: the user logout from the system.

Based on this process, draw an Interaction Diagram.

Considering the online payment may be not successful due to many reasons, show how this is handled in the interaction diagram. In other words, enhance the scenario to include some “non successful” steps as part of Step 5 and/or Step 6 above.

---

*Please submit your file to INF113 Dropbox before 11:59 p.m. March 8<sup>th</sup>.*