Working effectively in a team or group is a pivotal skill that you must acquire to succeed as a software developer. For this assignment you are required to work in a 3 person team.

All members of a team:

- are responsible for mastering the skills required to complete the assignment
- are expected to contribute equally
- receive the same mark

Notes:

- a team submits a single assignment
- depending on enrolment numbers, you may have to work in an undersized or oversized team

Task 1:

Use Visual Paradigm to create an activity diagram for each of the three use cases below.

Task 2:

Use PlantUML to create a system sequence diagram (SSD) for each of the three use cases below.

Submission:

Please staple and submit the following in the order shown:

1. A cover sheet
2. A word document:
   a. In Visual Paradigm export your 3 activity diagrams as images and add them to the word document.
   b. In PlantUML view your 3 system sequence diagrams one at a time and click the Copy button. Paste the images into the word document.
   c. In NotePad++ (or another editor you prefer) open your PlantUML scripts one at a time, select all, copy and paste into the word document.
3. The Assignment 2 Marking Scheme

Use Case 1	Agent Determines Priority
Primary Actor	Agent
Scope	ITSD
Level	Sub-function
Description	Numeric values for urgency and impact are used to calculate priority, which is then mapped to a word for understandability. Because priority calculation is required for different types of tickets, this use case is intended to be called or executed by other use cases.
Precondition(s)	The infomation for a ticket is being added.
Minimal Guarantee(s)	Priority is not determined.
Success Guarantee(s)	Priority is determined.
Main Success Scenario/Flow	1. Calculation of ticket priority is initiated by System 2. System displays a list of values for urgency. 3. Agent selects urgency. 4. System displays a list of values for impact. 5. Agent selects impact. 6. System calculates the numeric priority value. 7. System determines the text equivalent of the numeric priority value. 8. System returns priority text equivalent and terminates.
Extensions / Alternate Flows	
Related Information	

Use Case 2	Administrator Updates CAB Membership
Primary Actor	Administrator
Scope	ITSD
Level	User Goal
Description	An administrator adds, updates or deletes members of a Change Advisory Board (CAB).
Precondition(s)	The Change Advisory Board must already exist.
Minimal Guarantee(s)	Change Advisory Board membership is not changed.
Success Guarantee(s)	Change Advisory Board membership is updated.
Main Success Scenario/Flow	1. Administrator initiates updating Change Advisory Board (CAB) membership 2. System displays a list of CAB types 3. Administrator selects CAB type 4. System displays a list of CABs of the selected type 5. Administrator selects a CAB 6. System displays a list of CAB members 7. Administrator adds, updates or deletes a member record 8. Administrator saves change 9. System persists changes 10. Repeat steps 6-9 for all members to be changed 11. Administrator terminates updating CAB membership
Extensions / Alternate Flows	
Related Information	

Use Case 3	Administrator Adds Software
Primary Actor	Administrator
Scope	ITSD
Level	User Goal
Description	An administrator creates a record for a new piece of software that has not been recorded in the database yet. The specific type of Customer Access License (CAL) for the software is captured if applicable.
Precondition(s)	New software that has not been recorded in the database is received.
Minimal Guarantee(s)	Information about the new software is not recorded.
Success Guarantee(s)	Information about the new software is recorded.
Main Success Scenario/Flow	1. Administrator initiates adding software. 2. System displays a list of software types. 3. Administrator selects software type. 4. System displays a list of software categories. 5. Administrator selects software category. 6. System displays a list of business impacts. 7. Administrator selects business impact 8. System displays a list of license types. 9. Administrator selects a license type. 10. Administrator saves the software record. 11. System persists the software record. 12. Administrator terminates adding software.
Extensions / Alternate Flows	9.1 The license type is "Customer Access License". The system displays a list of CAL types, and the administrator selects one. The system displays a list of license options, and the administrator selects one. The use case resumes at step 10.
Related Information	