**Chapter 8-Exercise 1**

**A. Description**

It is assumed that there are the following components in ATM system:

1. ATM User: Who want to withdraw money from ATM system.

2. ATM Controller

3. Cash Machine: The system component will be responsible for receiving command and transaction information from ATM Controller and then calculating money and returning money to ATM user.

4. Printer: Print transaction note

5. Card Reader

6. Bank System

**B. Tasks**

Build a goal diagram for a goal: Cash shall be withdrawn from ATM machine after ATM User have input ATM card.

**Chapter 8-Exercise 2**

**A. Description**

It is assumed that there are the following people in FU system that involves in ensuring that the goal "SE course completed after 4 years study":

1. Lecturers

2. Academic Department

3. Financial Department

4. FAP Software

5. CMS Software

6. FU Student

**B. Tasks**

Build a goal diagram for "SE course shall be completed after students passed an entry exam and studied 4 years ". In the goal diagram, please note which is behavioral or soft goal.

**Notes:**  High level goals need to be refined until subject goals level and then select one subject goal to refine to identify sub-goals of this subject.

**Chapter 8-Exercise 3**

1. Read case-study "**Mine Safety Control**" in Chapter 15 (in slides 4 & 5)

2. Apply **discovery goals rules** studied in chapter 8 to find all possible goals described in the description of the case-study.