

## Exercise 2: Use-case Description

### Sample Solution

#### Record Procurement

ITEM	VALUE
UseCase	Record procurement
Summary	The procurement staff inputs the requested materials.
Actor	Procurement Staff
Precondition	No conditions.
Postcondition	The procurement details of the requested materials are recorded.
Base Sequence	<ol style="list-style-type: none"><li>1. This use-case begins when the "Record Procurement" in the main menu is selected.</li><li>2. The system displays the "Record Procurement Panel".</li><li>3. The procurement staff inputs the "procurement id", "material code", "amount", "requested delivery date", and "staff code".</li><li>4. The system records the input data.</li></ol>
Branch Sequence	At the base sequence step 3, if no data has been input, display an error message and return to base sequence step 2.
Note	No notes.

### Record Completion of Delivery

ITEM	VALUE
UseCase	Record completion of delivery
Summary	The procurement staff verifies the material delivered from suppliers, then hands it to the manufacturing staff, then inputs the completion of delivery of the corresponding material.
Actor	Procurement Staff
Precondition	The order information of the corresponding publication exists.
Postcondition	The corresponding procurement is recorded as delivered.
Base Sequence	1. This use-case begins when the "Record Delivery" in the main menu is selected. 2. The system displays the "Record Delivery Panel". 3. The procurement staff inputs the "procurement id", "delivery date". 4. The system records the input data.
Branch Sequence	At the base sequence step 3, if the procurement id is not registered, or if the corresponding procurement id is already marked as delivered, display an error message and return to base sequence step 2.
Note	No notes.

### Record Quarterly Payment

ITEM	VALUE
UseCase	Record quarterly payment
Summary	The order staff, verifies the quarterly invoice received from a supplier, then inputs the invoice details.
Actor	Order Staff
Precondition	The corresponding procurements (list of procurement id's) must be in record.
Postcondition	The corresponding payment is recorded.
Base Sequence	1. This use-case begins when the "Record Payment" in the main menu is selected. 2. The system displays the "Record Payment Panel". 3. The order staff inputs the "payment id", "supplier code", "invoice details (a list of procurement id's)", "invoice date". 4. The system records the input data.
Branch Sequence	At the basic sequence step 3, if a procurement id is not registered, or if the procurement id has not yet been marked as delivered, display an error message and return to basic sequence step 2.
Note	No notes.

### Record Payment

ITEM	VALUE
UseCase	Request payment
Summary	The order staff, sends a payment request to the accounting staff, through the accounting system.
Actor	Order Staff, Accounting System
Precondition	The corresponding payment exists.
Postcondition	The corresponding payment is marked as "payment requested".
Base Sequence	1. This use-case begins when the "Request Payment" button in the "Record Payment Panel" is clicked. 2. The system, through the interface with the accounting system, sends a payment request to the accounting staff. 3. The system marks the corresponding payment as "payment requested".
Branch Sequence	At the basic sequence step 2, if the accounting system interface does not exit normally, display an error message and terminate system.
Note	No notes.

### Record Completion of Payment

ITEM	VALUE
UseCase	Record completion of payment
Summary	The accounting staff, after completing the payment to the supplier, inputs the completion of payment.
Actor	Procurement Staff, Accounting Staff
Precondition	The corresponding payment is marked as "payment requested".
Postcondition	The corresponding payment is marked as "payment completed".
Base Sequence	1. This use-case begins when the "Completed payments" in the main menu is selected. 2. The system displays the "Completed Payments Panel". 3. The accounting staff inputs the "payment id" and "payment date". 4. The system records the input data.
Branch Sequence	At the basic branch step 3, if the payment id is not registered, or if the corresponding payment has already been marked as "payment completed", display an error message and return to basic sequence step 2.
Note	No notes.