**IT5182: Fundamentals of Data Models and Databases**

**Tutorial One: Business Process Modelling**

**Goal**

The purpose of this tutorial is to use Visio to create two Business Process Models for a video rental company called Hollywood Video Rentals.

**Scenario**

As part of the Hollywood inventory maintenance project, the analysts have been investigating the business processes in Hollywood’s video stores. They have decided to use process modelling to help them understand how the processes work and what data they require and generate.

Inventory maintenance involves two main activities: adding new videos to the inventory and maintaining existing inventory data.

**Task**

Use Visio to create two Business Process Models: one that adds a new video to the inventory, and another that modifies existing inventory data.

Interviews with the manager and staff of one of the Hollywood stores have revealed the following facts:

Modifying existing inventory data involves the following steps:

* Each month, the store manager performs a routine check of inventory.
* Modifications may be required to supplier details, the video titles, or video copy information. The manager will make any updates to supplier or title information, but the manager will assign a store clerk to update video copy information.

Adding a new video to the inventory involves several steps:

* When a new video arrives, the mailroom is responsible for delivering the video to the store clerk.
* The store clerk determines whether the video is a new title, or a copy of an existing title. If it is a new title, the store manager needs to record the video title details.
* The store clerk also checks who has supplied the video. If it is from a new supplier, the store manager needs to record the details of the new supplier.
* Before making a copy available to customers, the store clerk must record details about the copy (e.g. purchase cost, acquisition date, and shelf location).

**Hints**

Remember to name each business process model

Identify the trigger that starts each process and the outcome(s) associated with each

Create a swim lane for each organisational unit or role e.g. one will be called Store Clerk

Identify any decisions associated with a process – look for the keyword ‘If’. Label each flow from a decision as either ‘Yes’ or ‘No’.