

## **104KM Enterprise Information System**

### **Tutorial Activity**

### **Books-R-Us**

#### **Background**

In the early 1990's Books-R-Us opened its first bookstore in Birmingham. Since then, the family owned business has expanded into a nation-wide chain with branches in London, Manchester, Leeds, Cardiff, Coventry and Edinburgh.

Books-R-Us specialise in academic books and therefore most of their branches are situated in or close to universities and colleges. Although the business has consistently been successful since its first beginnings, Michael Jones, founder and Managing Director of Books-R-Us, is concerned about the future of the company. His latest market research shows that many students buy their books on-line from places such as Amazon.co.uk or Bol.com. The research suggests that the two main factors influencing this trend are the greater availability of titles and lower prices from on-line outlets.

Being a positive person, Michael Jones is viewing this threat as a potential opportunity. He feels that now is the ideal time to both 'go on-line' and expand the Books-R-Us product portfolio. His intention is to sell books, music CD's, DVD's and consol/PC games all from the new 'Books-R-Us-On-Line'.

#### **Solution**

Books-R-Us-On-Line will be an e-commerce website enabling potential customers to search for, view and (hopefully) purchase its products. The site must allow credit/debit card transactions, and would therefore require card detail security and card validation features.

It is envisaged that a typical visitor will search for a product using keywords such as a movie title, an artist name, a book ISBN, or game manufacturer. Alternatively, visitors may wish to simply browse the different categories. For music CD's, Books-R-Us-On-Line feel that offering full track listings and sound files will make the site more attractive to their target market.

Another feature of the site will be the 'Wish List'. By setting up a Wish List, each visitor will be able to create a personalised list of all the things that s/he would like to own from the Books-R-Us-On-Online. Then family, friends, significant others could use the list to purchase presents for the owner of the list.

Before an order can be placed, visitors must register with the site – this will be a one off process to capture all their relevant personal and payment details. Once registered, a username and password will be issued to ensure fast sign-in to the site. When a customer has located the required/desired item(s), they can add it/them to the shopping cart in readiness to proceed to the checkout and place a firm order.

### BooksRUs Questions

1. Develop a list of requirements based on details within the case study along with who would be interested in the respective requirement.
  - a. List your requirements in a table as below.

Actor (role of person interested in requirement)	System Requirement

2. Produce a Use Case Diagram for Books-R-Us-On-Line
    - Add includes and extends to your model.
  3. Produce a Use Case Description/Documentation for the Use Cases 'Sign into site' & 'Place order'.
  4. Identify the potential objects from the Books R Us Case study.
  5. Produce a Class Diagram for the Books-R-Us-On-Line
-