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IAB207

Assignment 1

N9013695 – Scott Jacob

By submitting this assignment, I am aware of the University rule that a student must not act in a manner which constitutes academic dishonesty as stated and explained in the QUT Manual of Policies and Procedures. I confirm that this work represents my individual effort. I declare that it does not contain plagiarized material.

Full Name	Student Number	Signature
Scott Jacob	N9013695	

Task 1:

Description:

The marketplace being designed will be for purchasing and selling books. Users will be able to register as a buyer or a seller to purchase or sell books. The books that can be sold by the seller can be in a variety of conditions and sellers may sell more than one copy of the book. Users will be able to purchase and order books through the marketplace. Users will be able to review and comment on books with reviews/comments being viewable by all users.

User Stories:

As a user, I want to **view products** by their category because I want to view relevant products.

As a user, I want to be able to **register as a seller** and login to the marketplace using my emailID, password so that my account is unique, and I can sell my products to buyers.

As a user, I want to be able to **register as a buyer** and login using my emailID, password so that I can buy products from sellers.

As a buyer, I want to be able to **view details** of an item and buy the item from the store, so I know the details of the product before I purchase.

As a buyer, when I buy an item, I want an **order confirmation provided** so I know that the order was successful.

As a seller, I want to be able to **update product details** I am trying to sell in case the product is entered incorrectly, or the description needs changing.

As a seller, I want **only the available stock** to be bought by a buyer so they cannot order more than I can sell.

As a seller, I want the product to **automatically update** to out of stock when there is no stock available to stop buyers from buying products which is not for sale.

As a logged in user, I want to **post reviews** for items so that I can share my experience and recommend the product.

As a logged in user, I want to **view comments** posted about a product by other users to make sure that the product I am buying is as advertised.

As a buyer/seller, I want to be able to **check the stock status** of a book before I order, so that I can see how many are available to order.

Acceptance Criteria:

To register as a seller, name, emailID, password, contact number and bank account details must be given.

To register as a buyer, name, emailID, password and contact number **must** be given.

A user **cannot** be registered as both a buyer and a seller. A user must have a role assigned such as: buyer or seller.

A buyer **cannot** buy more than the available stock for any one product.

A product for sale must have at minimum: author, bookName, bookPublished, bookCondition, bookImage, bookDescription, bookCategory – optional: ISBN

If a Buyer enters a quantity to purchase more than the available an error message is displayed, and the order is not placed.

If the total number of sales for a product is reached within the current month then that product is no longer available for purchase and is given stockStatus 'Out of stock' on the product page.

To buy an item a buyer provides shipping details and quantity of items, an orderID is generated as a proof of sale and order confirmation for the buyer.

A review/comment must contain datePosted on the comment.

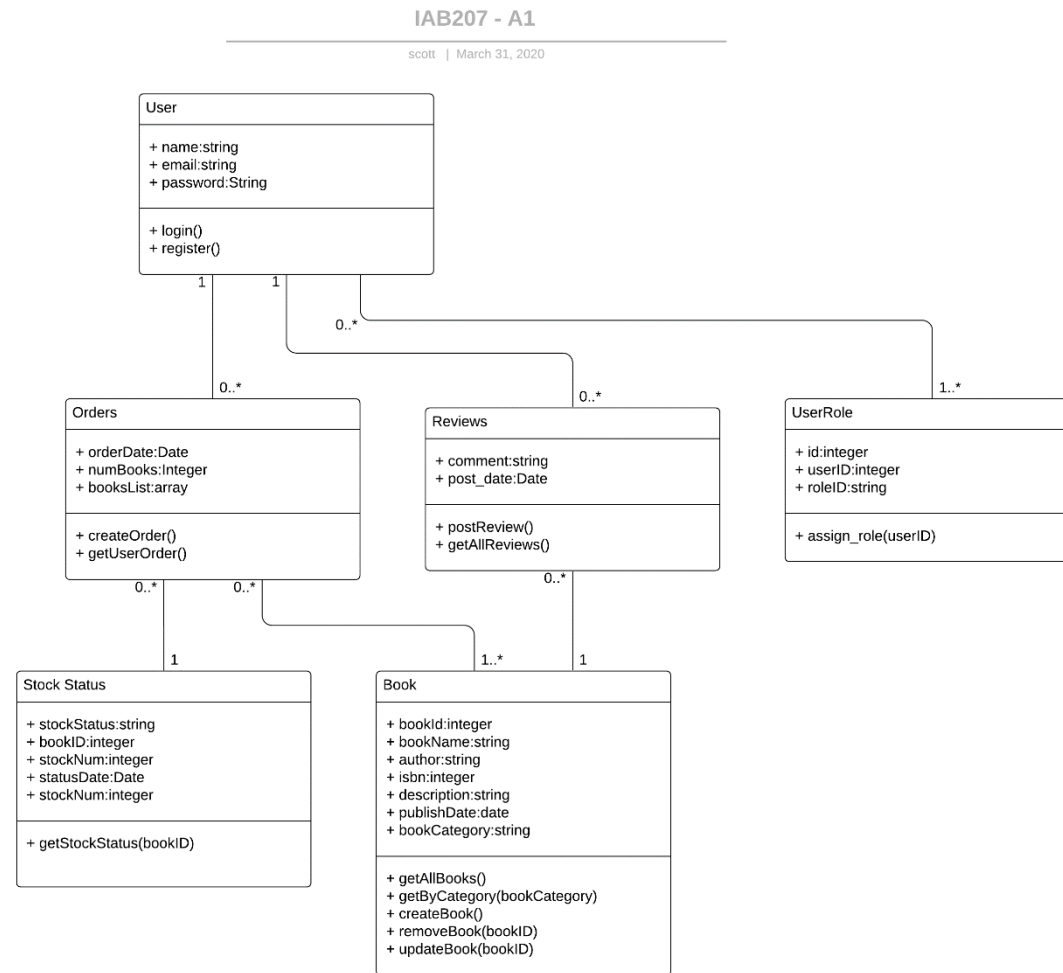
Conceptual Model:

- i) List of concepts/classes identified
 - Concepts:
 - User-Seller - object
 - User-Buyer - object
 - Book - object
 - Order - object
 - Reviews – object
 - Stock Status – object
 - User Role - object
 - Email - attribute
 - Password - attribute
 - Book title - attribute
 - Order confirmation – attribute
 - Book category – attribute
 - Book description – attribute

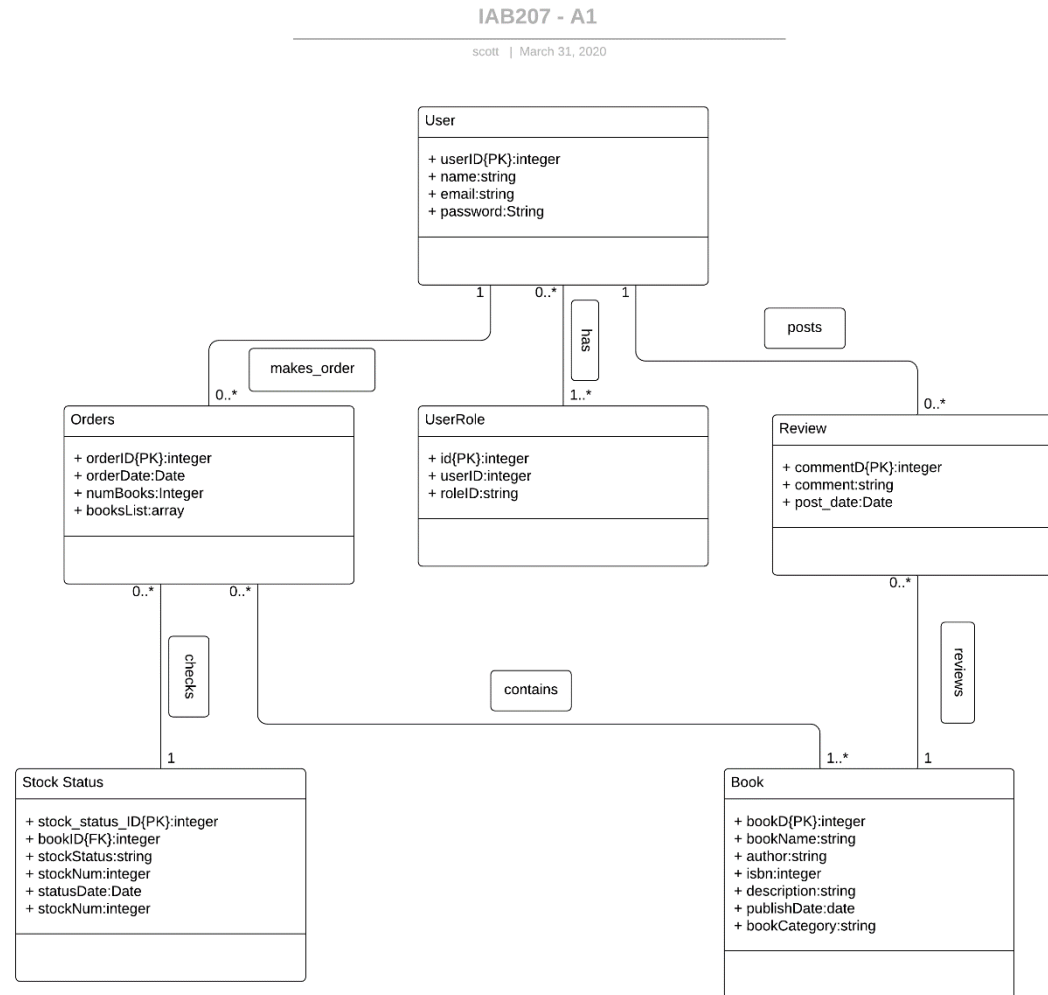
- ii) Refined list of classes
 - User
 - Book
 - Order
 - Reviews
 - Stock Status
 - UserRole

- iii) List of responsibilities
 - User login → User
 - Register buyer → User
 - Register seller → User
 - Search for product → Product
 - Create a product page → Product
 - Create order → Orders
 - Create order confirmation → Orders
 - View comments → Reviews
 - Post comments → Reviews
 - Check stock status → Stock Status

iv) Final UML concept model

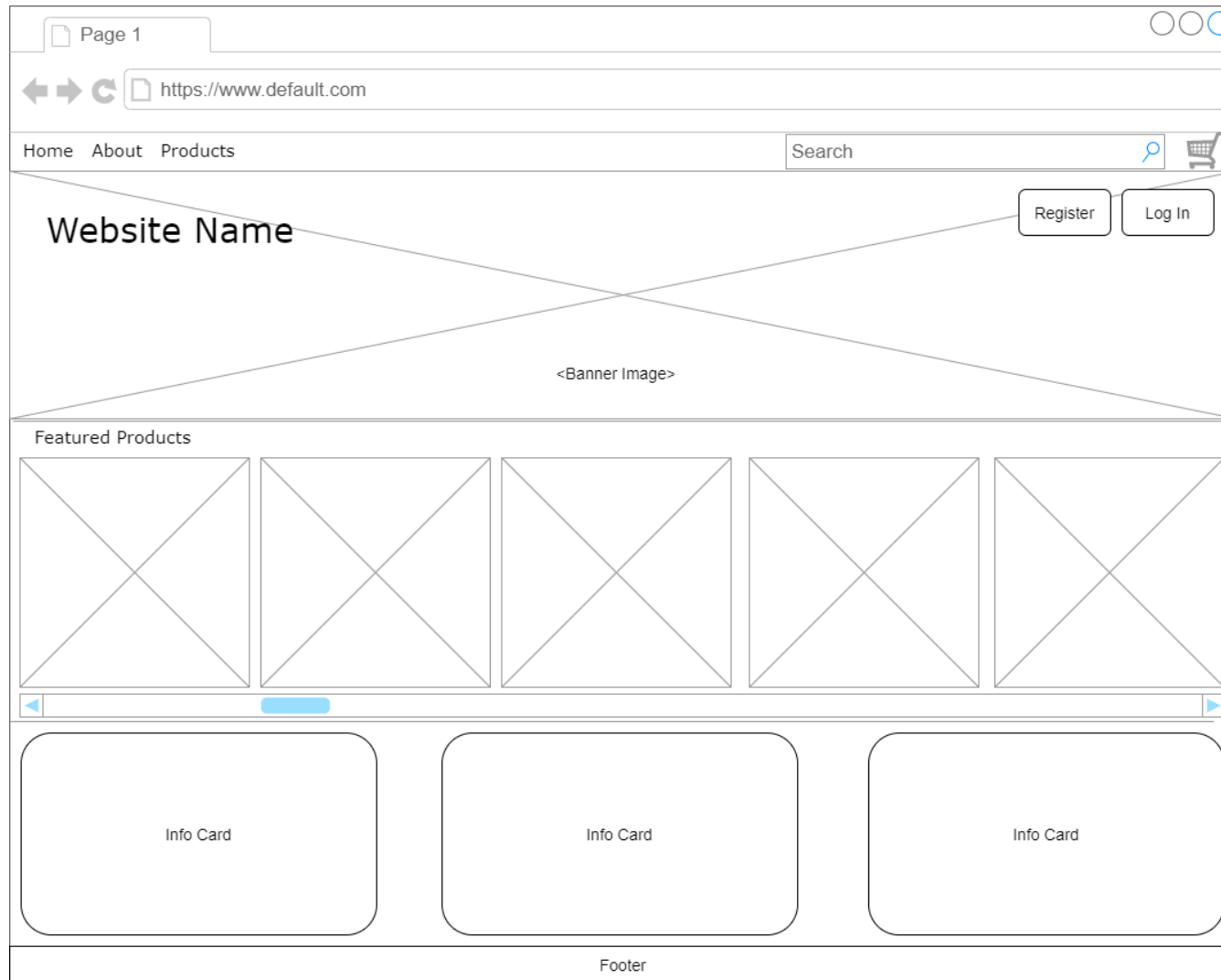


Database Design:



Wireframes:

1. Landing/index page



2. A page that allows the seller to create a product/service

Page 1

https://www.default.com

Home About Products My Account Search

Website Name

<Banner Image>
solid colour

Sell a product:

< back

<cover image-
book>

Select Images:

Qty: Available 0

Book Title: Your text here:

Author: Your text here:

Year Published: Your text here:

ISBN: Your text here:

Category: Your text here:

Condition: Your text here:

Description:

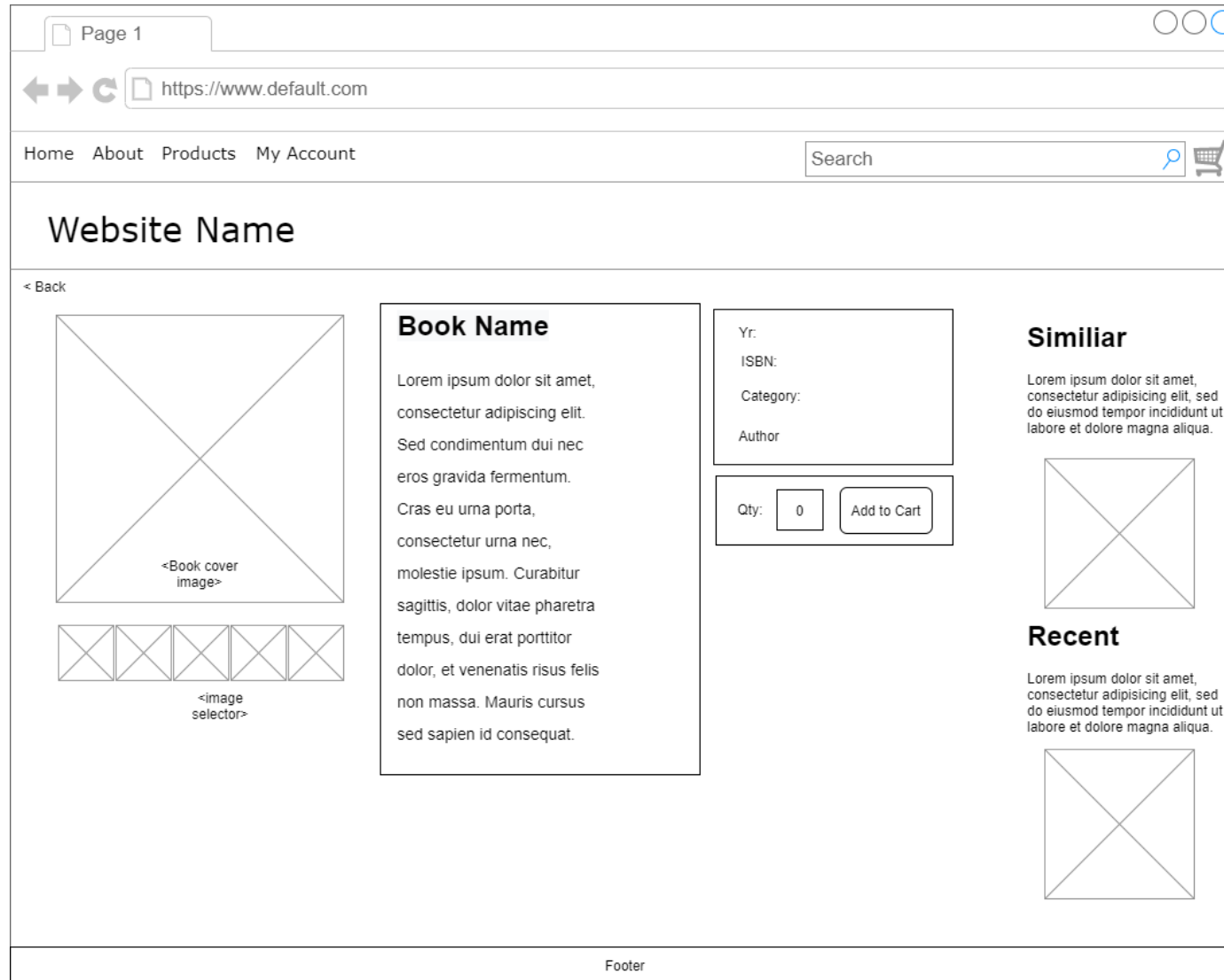
Post:

Cancel:

Footer

From my account dropdown, after login, selling a product can be selected.

3. Page providing details of the product/service



4. Page that allows a buyer to buy the items

Page 1

← → ↺

https://www.default.com

Home About Products My Account

Search

Your Shopping Cart

< Back

Book Name
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Qty:

1

 \$0.00

X

Book Name
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Qty:

1

 \$0.00

X

Book Name
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Qty:

1

 \$0.00

X

Cancel:

Pay Now:

Subtotal: \$0.00
TOTAL: \$0.00

Footer

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n9013695

Scott Jacob