Test 2 Review

Conditions

Open book: you can use files, internet, notes, books, you can reuse any code you have previously written.

However the work you hand in needs to be your work you cannot use a file or a piece of code that has not being typed in by you.

The assessment is to be completed under exam conditions meaning you cannot communicate with anyone, you may not ask for help. This means you may not send or receive emails, answer your phone, chat in person or electronically, share files or interact with anyone either in person or electronically. This assessment needs to be completed all on your own.

You will be monitored while you are completing the assessment.

You have 2.5 hours to complete the task. The test has 4 questions only.

Part 1

The work assessed in Part 1 relates to the C# and OOP work we have done in class.

Q1. Arrays

Create an array or array list which holds 10 book titles.

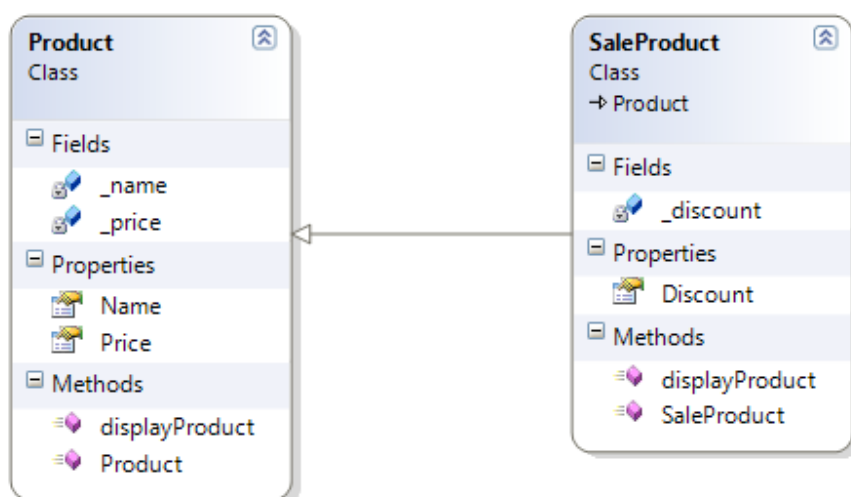Store the 10 book titles in the array

Q2. Writing to files

Loop through and write numbers 1 to 10 one per line to a file called "numbers.txt"

Q3. Reading files

Read the file "numbers.txt" and display the numbers one per line.

Q4.Creating objects

Create the following classes:

Product
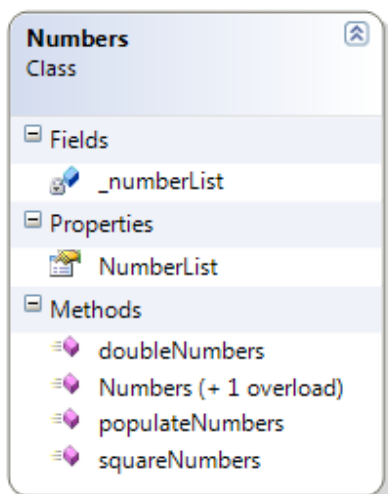
- Name is a string

- Price is a decimal

- displayProducts returns a string listing the product name and price

SaleProduct

- Inherits from the product class

- Discount is a decimal

- displayProducts overrides the method in the Product class and returns a string listing the product name, price and discount

Q5.

Create the following class:

- NumberList is an array

- There are 2 constructors

  o   The first one take no input parameter and creates an array of length 10

  o   The second takes an integer as input and creates an array of length specified by the integer input

- The method populate populates the array with sequential numbers dtarting from 1

- Double numbers doubles each number and saves the doubled number back into the array element

- Sqare squares each number and saves the square back into the array element.
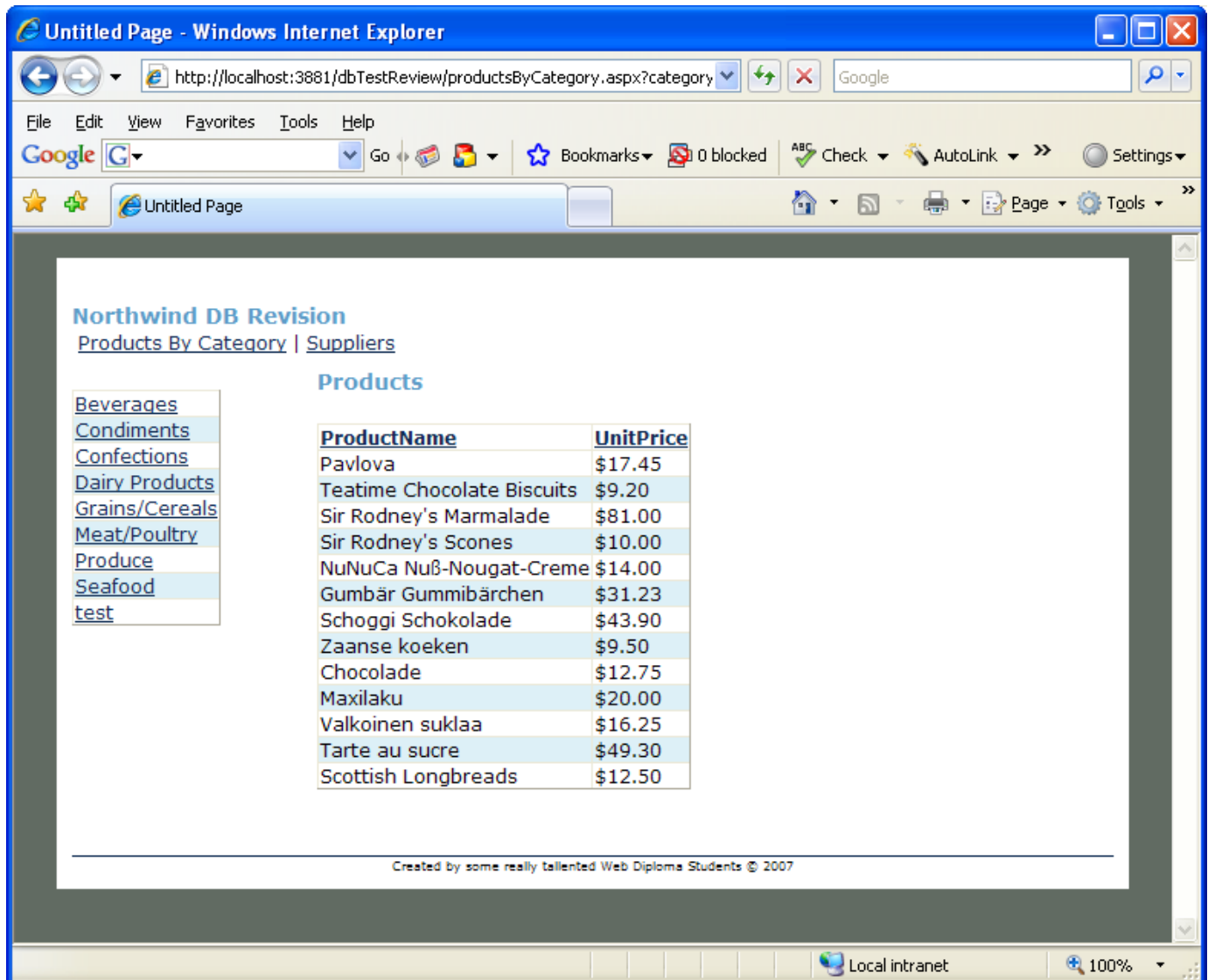
Part 2

Your task is to create a web application which will be used for the northwind database. Your site needs to contain 3 pages:

- productsByCategory.aspx

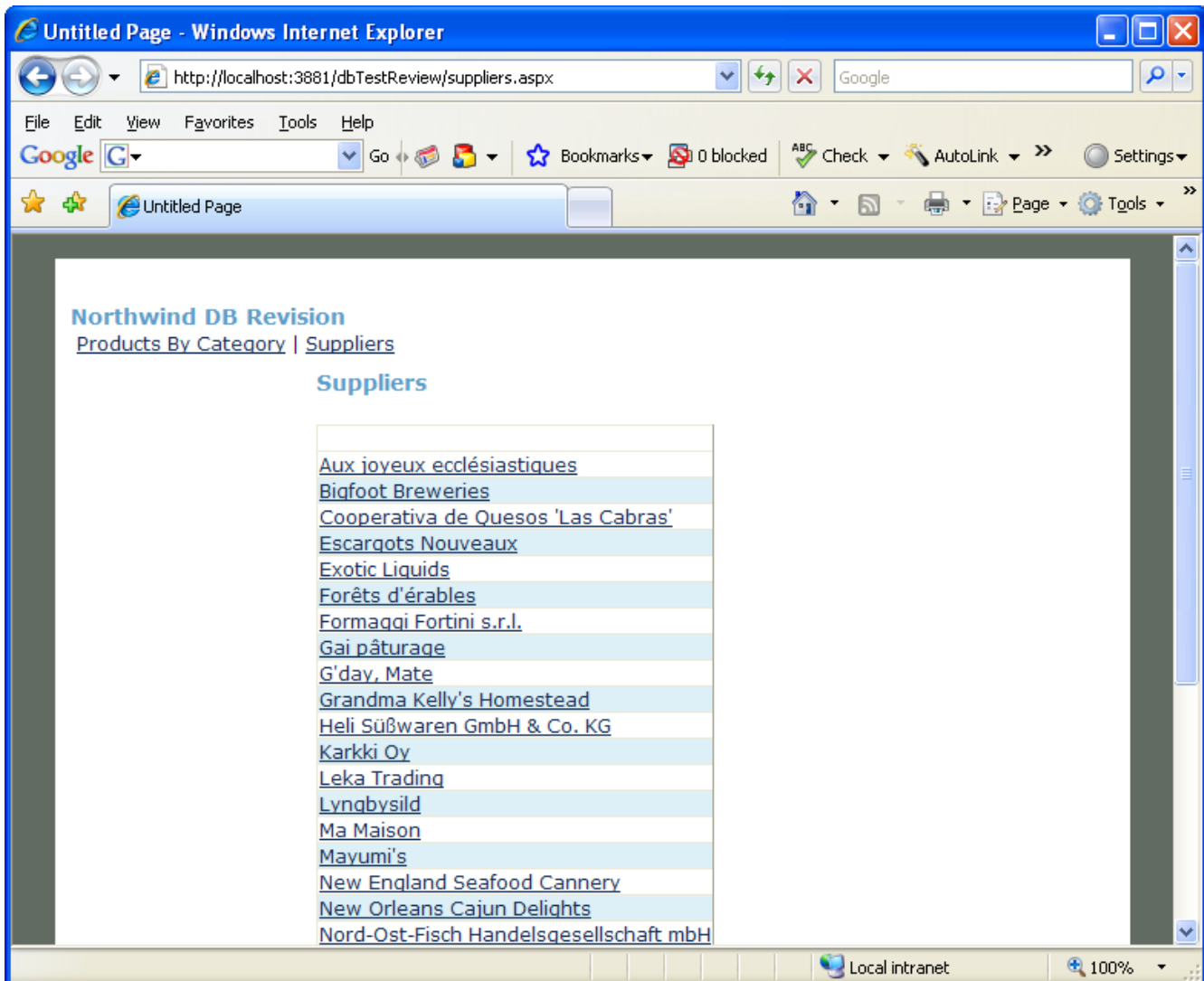- suppliers.aspx

- productsBySupliers.aspx

ProductsByCategory.aspx

This page should list the categories as hyperlinks. When a category is selected the products that belong to that category should be displayed in another gridview.

Suppliers.aspx

This page displays all the suppliers as hyper links, when a supplier is selected the user is redirected to productsBySuppliers.aspx passing the selected supplier ID.

productsBySuppliers.aspx

This page is displayed when a supplier is selected from the suppliers.aspx page. The products for the selected supplier are listed in a datalist or list view.