Student Number: 17667327

Course: BCAD2

Subject: CLDV6212 (B)

Lecturer: Bruce Swart

Assignment: Task 2

Due Date: 02/10/2019

CLDV6212 Task 2 Help File

# CLDV6212 Task 2 Help File

# \*Link to Web Application\*:

<https://productweb20191001045444.azurewebsites.net/>

# Azure Login Details:

Username/ Email: [17667327@vcconnect.co.za](mailto:17667327@vcconnect.co.za)  
Password: KarlDurban4

# Azure Database Login:

Server Name: srv17667327.database.windows.net  
Login: adm17667327  
Password: KarlDurban4

# Help File

## Home:

The website will first display the home page, which provides the following information:

1. List of website functions
2. Student information

The navbar at the top of the page can be used to access website functionality.

## Products

One the user has navigated to the Products page; a listing of all inventory items will be displayed in a table. The page provides the following functionality:

1. Search textbox
2. Search button
3. Create New Product button
4. Product table
5. Edit button (for each product item)
6. Details button (for each product item)
7. Delete button (for each product item)
8. Page buttons

**Search textbox:** allows the user to enter a search term, which will then search through the products table and display matching or like products. This feature searches by product name.

**Search button:** displays only search records.

**Create New Product button:** This allows users to create a new product item in the system, and will require the following information from the user:

* Product name
* Price
* Description
* Image file (allows the user to browse to a file and upload it)

A create button is presented, which can be pressed to create the product item. The website will then navigate the user back to the product listing page. If the user does not want to create the item, then they can navigate back to the listing page by pressing the “Back to List” link.

**Product table:** This is displayed on the main products page (index), and provides product information for all items stored on the system. It provides the following information for each product:

* Product ID (identity)
* Name
* Price
* Last Updated date
* Description
* Product image (thumbnail)

Each product listing also has edit, details, and delete links in a column.

**Edit Product:** Allows users to update a product name, price, description, and image.

**Details:** Users can view image details from this page. The product name, price, description, and a larger product image is shown.

**Delete:** This page provides functionality which allows users to delete product items from the system.

## About

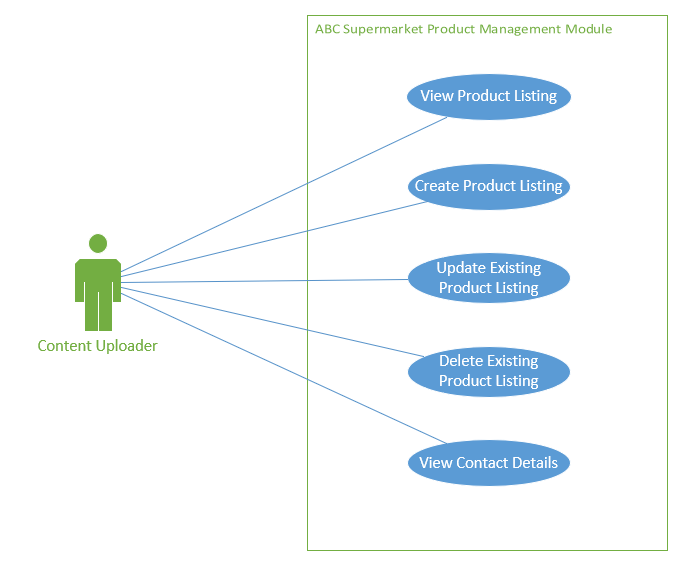
This page provides information about ABC Supermarket, and the Product Management Module.

## Contact

This page provides contact details for the ABC Supermarket helpdesk and sales divisions. These contacts may be used by the content uploaders if they require assistance.

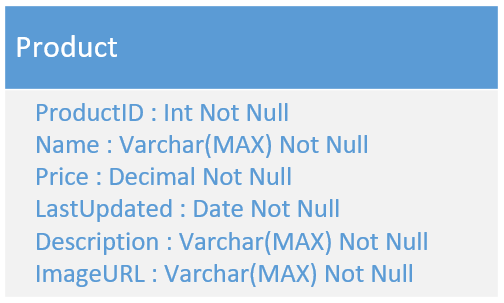
# Use Case Diagram

The ABC Supermarket Product Management Module provides the following functionality:

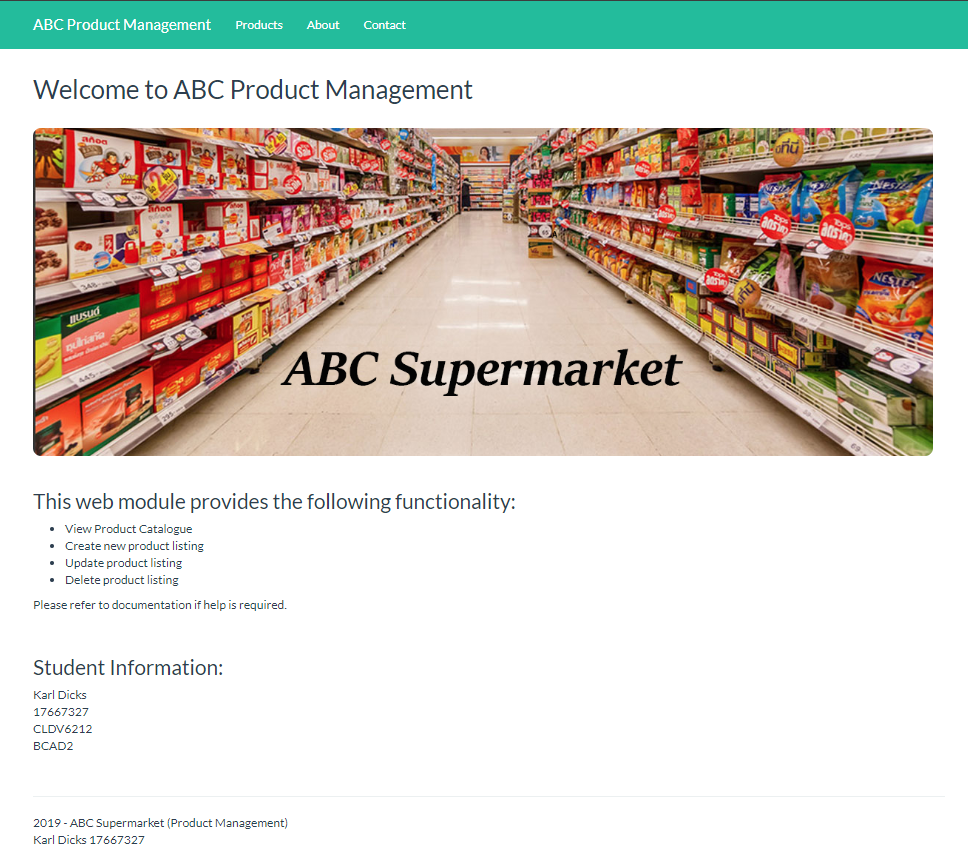


# Class Diagram

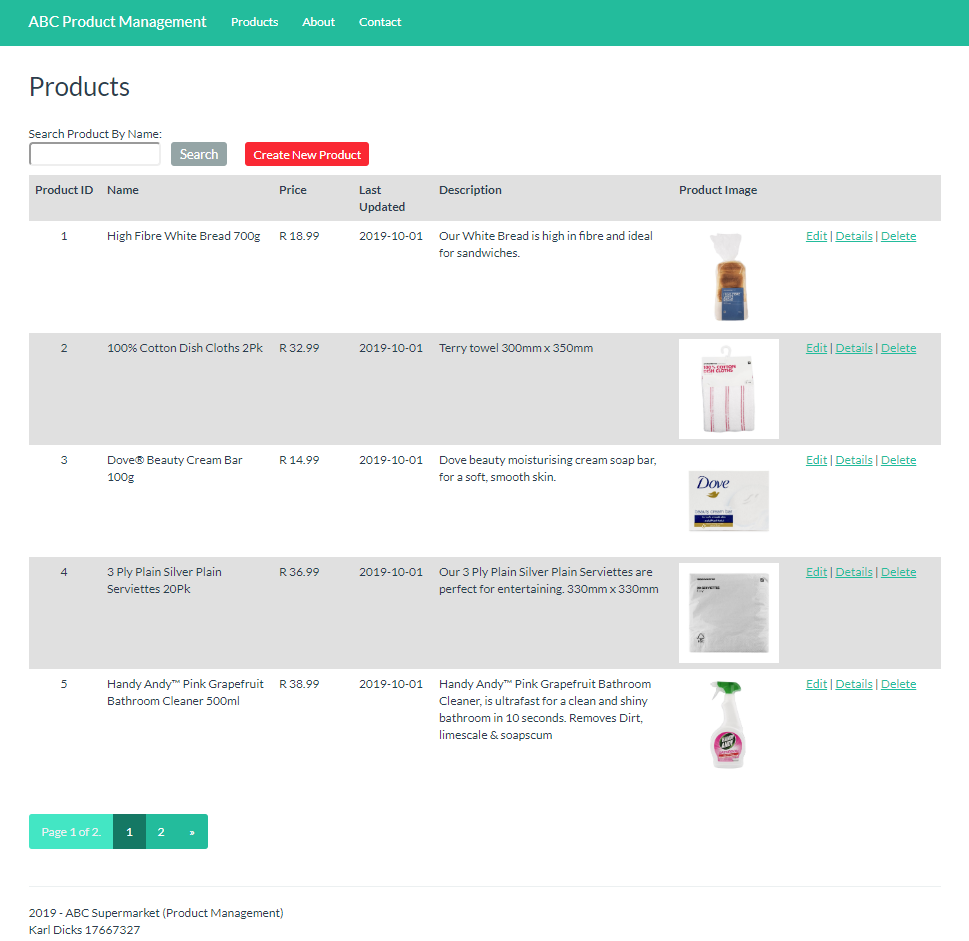
A table definition for the products table is provided below:



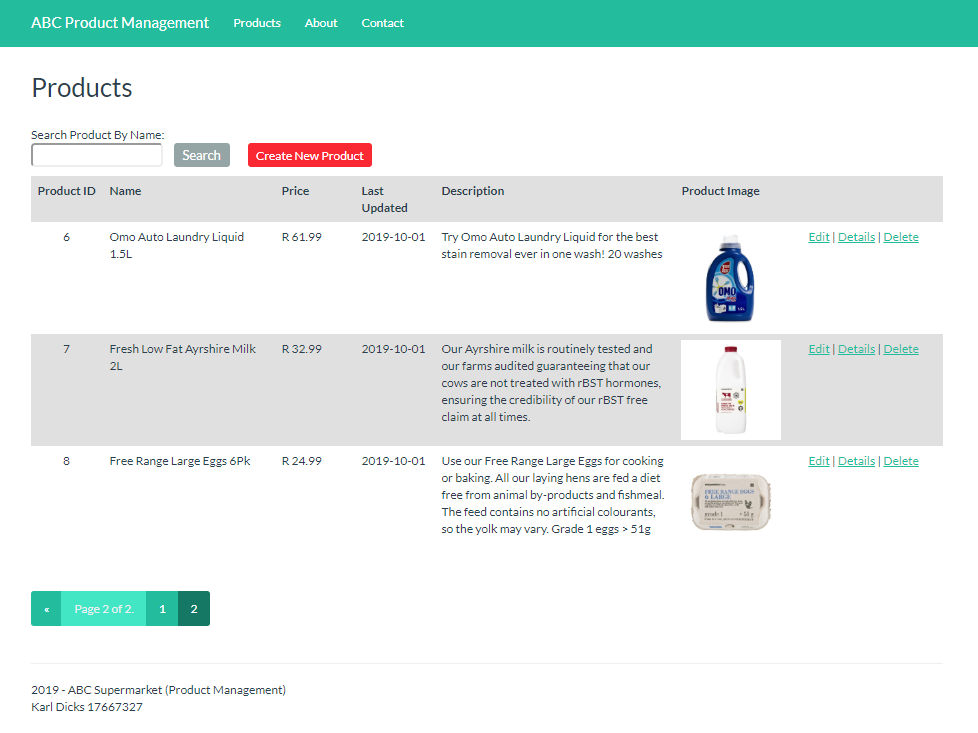
# Screenshots

**Home  
**

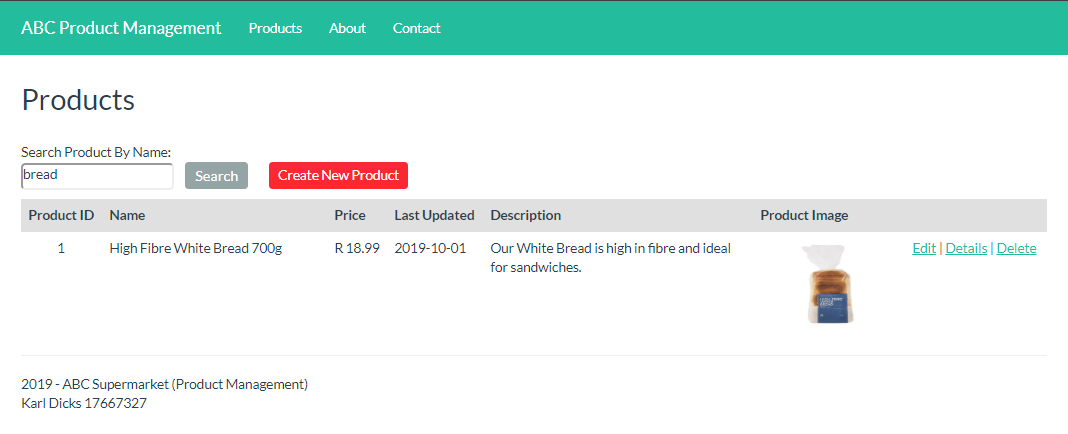
The Home Page provides a listing of website functionality, and student information.

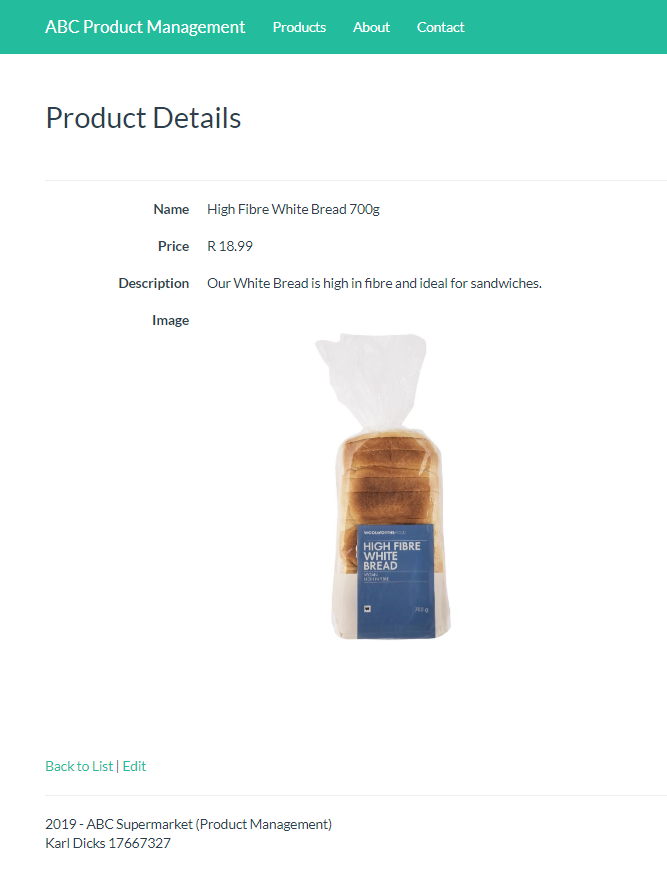
**Products  
**

The Products page provides item information for all products stored in the system.

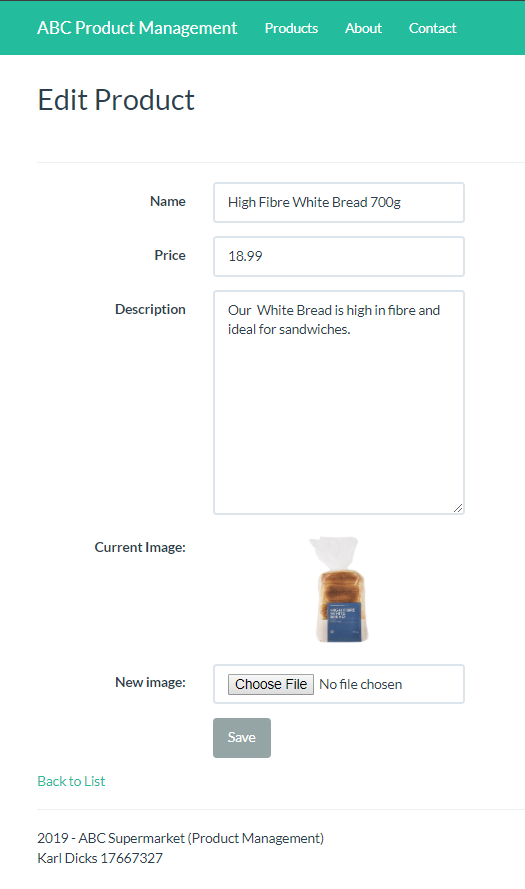
**Pages  
**

The user can view more product listings if they select another page.

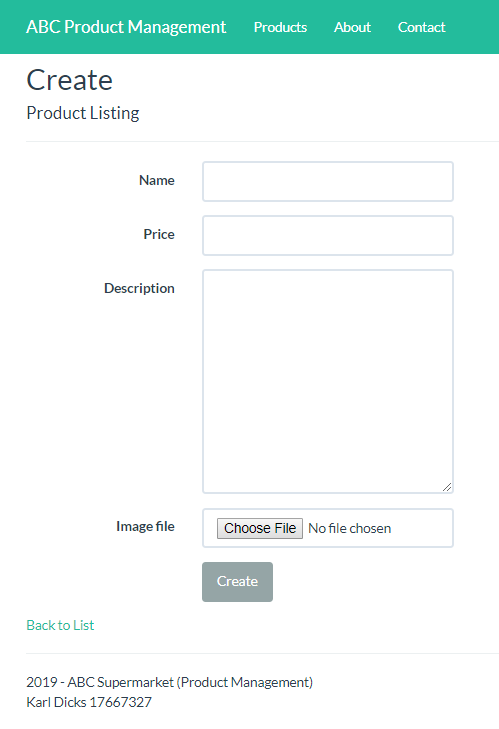
**Search**

**Product Details**

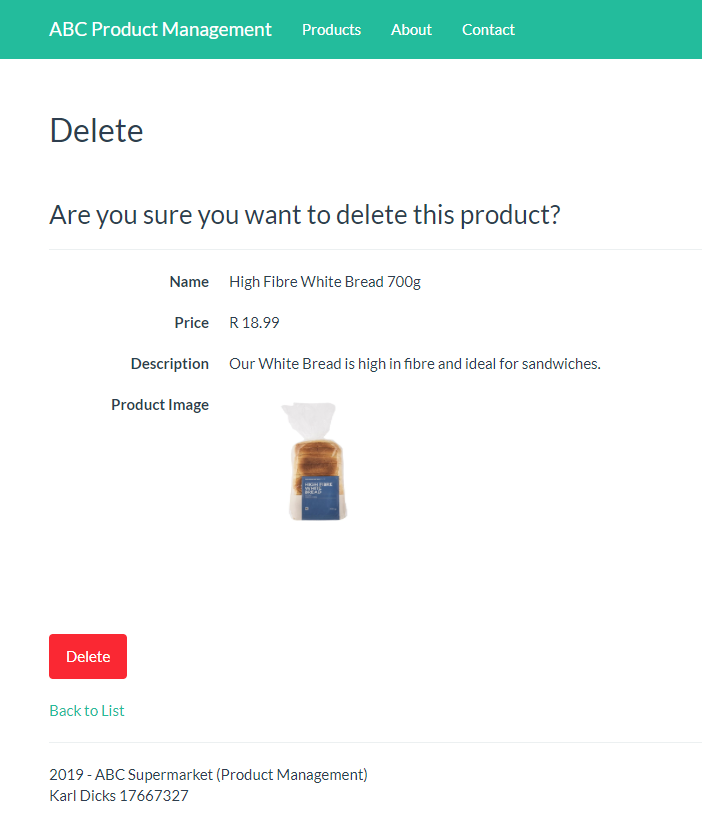
The user can select the “Details” link on any of the listed products, which will bring them to this page. The product name, price, description, and image are shown.

**Edit Product**

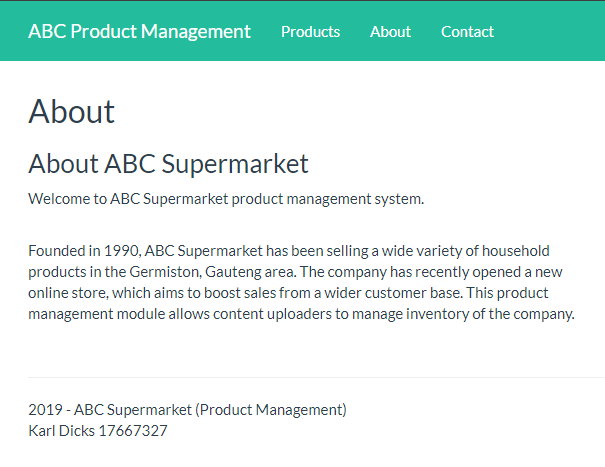
The user may edit a product by pressing the “Edit” link on the product listing page. They can modify the product name, price, description, and image on this page.

**Create**

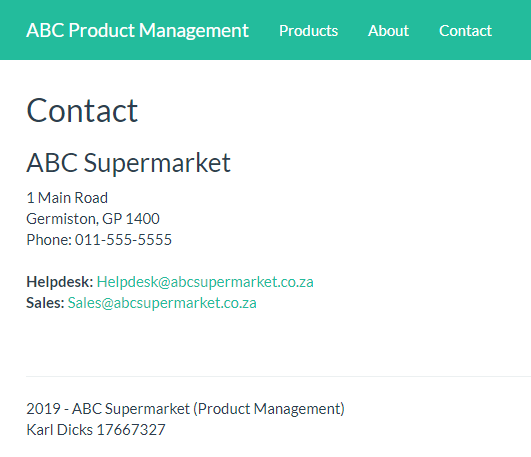
The user may create new product items by pressing the “Create New Product” button on the main product listing page.

**Delete Product**

The user may delete product items by pressing the “Delete” link on the product listing page.

**About**

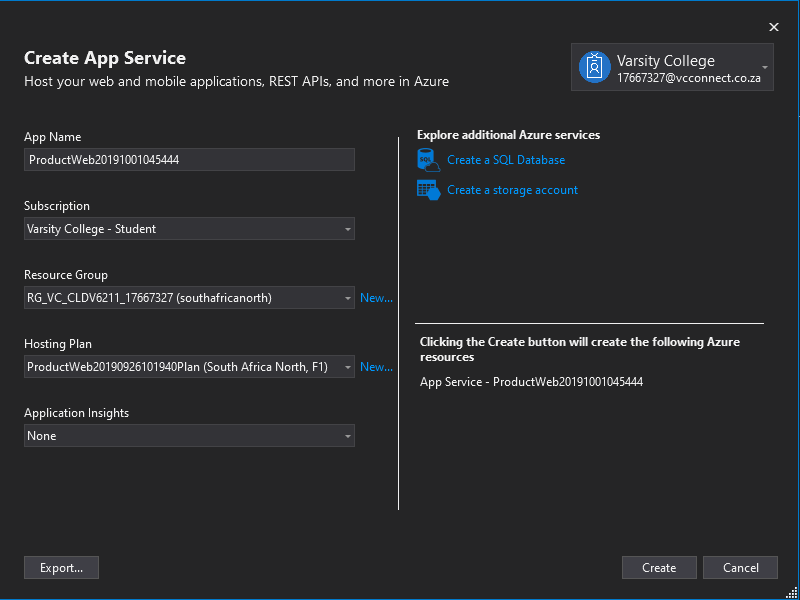
The about page provides information about ABC Supermarket and Product Management Module.

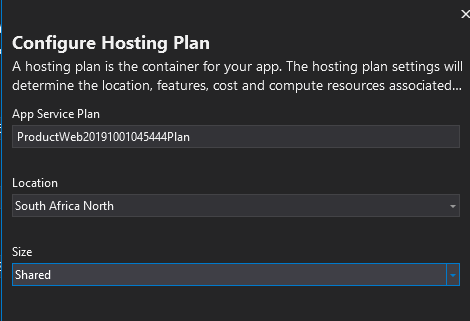
**Contact**

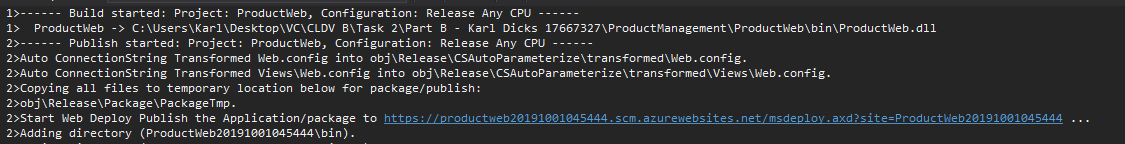
Contact information is provided on the Contact page. Content uploaders can use this if they require assistance.

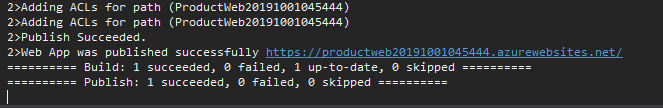
# Deployment

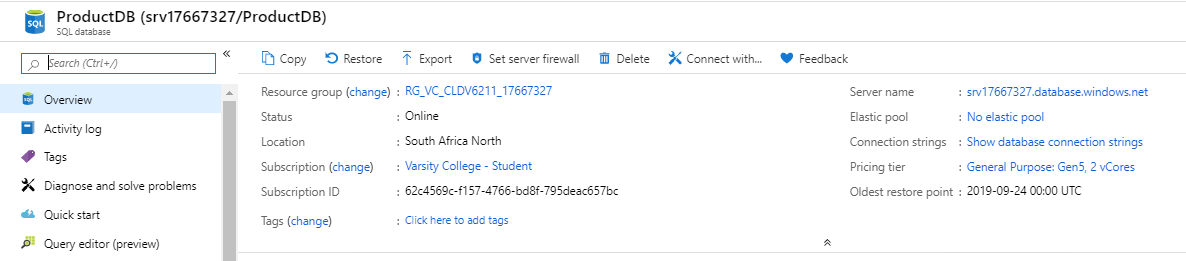
The web application has been migrated to Azure as an App Service. The website URL is: <https://productweb20191001045444.azurewebsites.net/>  
This Web App profile was created from within Visual Studio, and the deployment steps have been provided below.

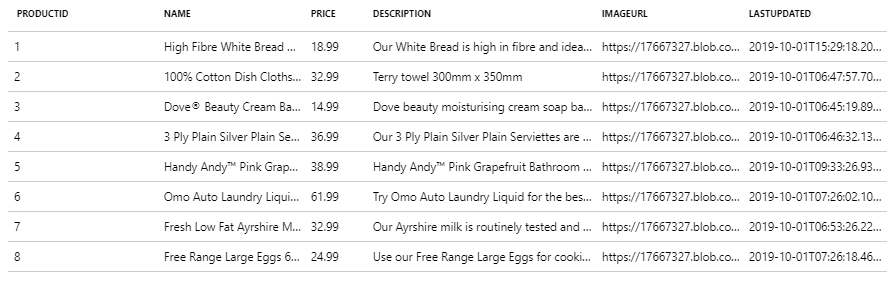


The hosting service was then configured (as shown below).  


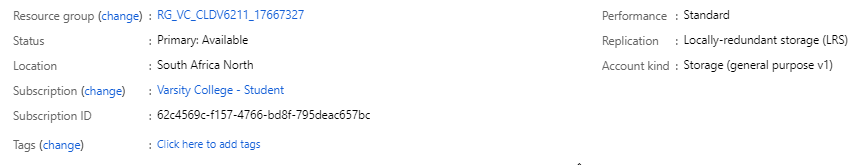
The application was then published to the app service plan, as shown below:  


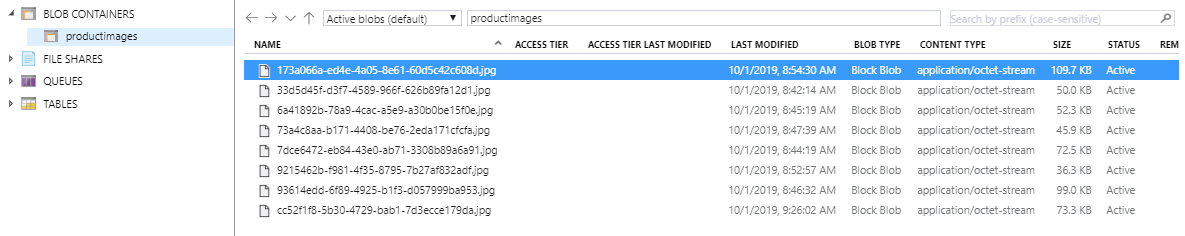
Visual Studio then displayed a confirmation that the application was successfully published:

In order to successfully deploy the application to the Microsoft Azure platform, a Storage Service, and Relational Database was deployed on the Azure platform. The database has been set up, and its overview can be seen below:  


The Products table was generated from the Model, and contains some sample records:  
  
The connection string for the database was placed in the web.config file within the main web app project. Firewall rules were set to enable connections from any IP address.

Storage was configured to allow image blobs to be uploaded to the Azure storage service. An overview of this configuration can be seen below:



The “productimages” container was populated with some product images, which are shown below:

The storage key was included in the main web application web.config file.

All sample product information was obtained from the Woolworths online store, including product names, descriptions, prices, and images. The website thumbnail image was obtained from icon-library.net, and the index page was obtained from sclogisticsng.com (references on the next page).

# References

Icon-Library, 2019. *Icon For Product #406900.* [Online]   
Available at: https://icon-library.net/icon/icon-for-product-24.html  
[Accessed 21 09 2019].

Simplified Corporate Logistics, 2019. *Supermarket Supply.* [Online]   
Available at: http://www.sclogisticsng.com/supermarket-supply.html  
[Accessed 21 09 2019].

Woolworths, 2019. *Woolworths.* [Online]   
Available at: https://www.woolworths.co.za/?ds\_rl=1256865&gclid=Cj0KCQjw8svsBRDqARIsAHKVyqGsCHMtEFEtn4smXgw9QI7LsCnD4OiSMkf-HCSjr6RTDAcTZBA-jWgaAmpKEALw\_wcB&gclsrc=aw.ds  
[Accessed 21 09 2019].