ASP.Net Group Project

Institution: GMIT (Galway, Mayo Institute of Technology)
Course: Software Development Year 3
Module: Server Side RAD
Team Name: Team Sergio
Members: Peter Nagy, Ciaran Whyte, Dara Starr, Cian Mulveen (non-participant), Mario Szombati (non-participant)
Project Theme: Mobile Phone and Accessories Store.

Introduction

Today, many web applications are written using a Framework called ASP.net 4. This is a third year group project built using that framework. The project is part of a Server Side RAD (Rapid Application Development) module for GMIT as part of our bachelor degree award year in in Software Development.

The Project & its Structure

This project is based around a Mobile Phone and accessories website. The different pages of the website are as follows:

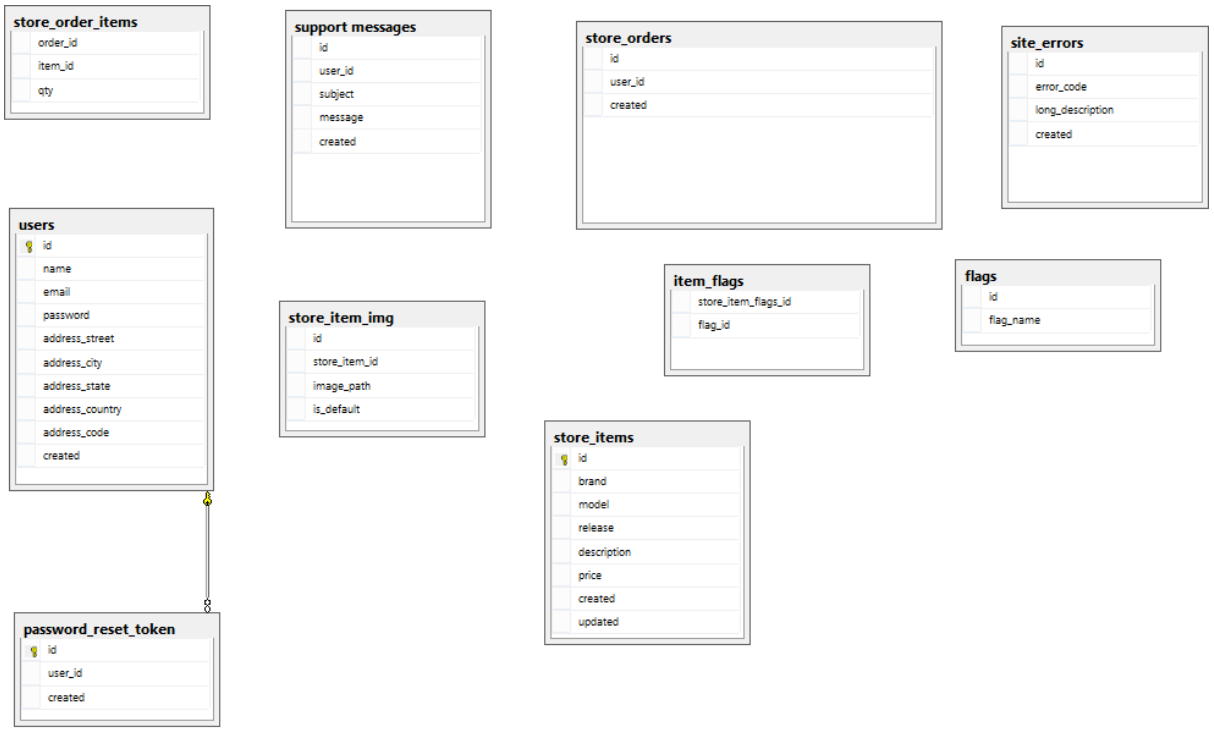
store_core.Master – This serves as a template for the project, this template contains the menu options that will be displayed on each page of the application. This template also contains content placeholders which are used to display the pages through the Master Page. The Master Page template was designed mostly by Peter Nagy with smalls changes made thoughout the project by the other team members.
Index.aspx - This is the homepage of the application, it contains a grid view that shows all of the different products available in the store. When a product is selected the product ID is stored in a cookie and the user is redirected to the Item details page which displays more information about the product. This page was designed by Ciaran Whyte.
Login.aspx – This page is responsible for logging in a user into the site. When the user is successfully logged in the credentials are kept in cookies and the user is navigated back to the index.aspx where the user will be shown a popup verifying they have logged in successfully.
Register.aspx – This page is responsible for registering a new user/customer for the site. If the user is already logged in these controls are disabled and cannot be used. This page was designed by Ciaran Whyte.
Forgotten_Password.aspx – This page allows a user to reset the password if they are already registered the system is validating the email address is valid sent token that redirects the user to set new password page where the user can enter a new password which will be stored in the database. (Two page process) Designed by Peter Nagy.
Set_password.aspx – This is the page that the user is redirected to from the forgotten password page when they are trying to reset their password
User_history.aspx – The user can see all their previous orders from this page. Designed by Dara Starr
User_list.aspx – This page provides a list of all the users in the system currently, administrative side. Designed by Dara Starr.
Order_history.aspx – This page shows all the orders placed with a link to the user that placed it. Designed by Dara Starr
Support_Requests.aspx – This page should handle service requests from the user (Customer Service). Designed by Cian Mulveen, no participation, no finished work.
Item_details.aspx – This page is supposed to show information about a product. When a product is selected on the Index page, this page is then redirected to and the data needed to search the database is retrieved from a cookie. Designed by Cian Mulveen, no participation, no finished work.
User_settings.aspx – User can change their details here, designed by Cian Mulveen, no participation, no work done.

User_RUD.aspx – Administrative side used to read, update and delete user details. Designed by Mario Szombati, no participation, no work done.

Store_request_list.aspx – This administrative page shows all the requests sent in from the different users. Designed by Mario Szombati, no participation, no work done.
Store_logs.aspx – Error logs for the store. Designed by Mario Szombati, no participation, no work done.

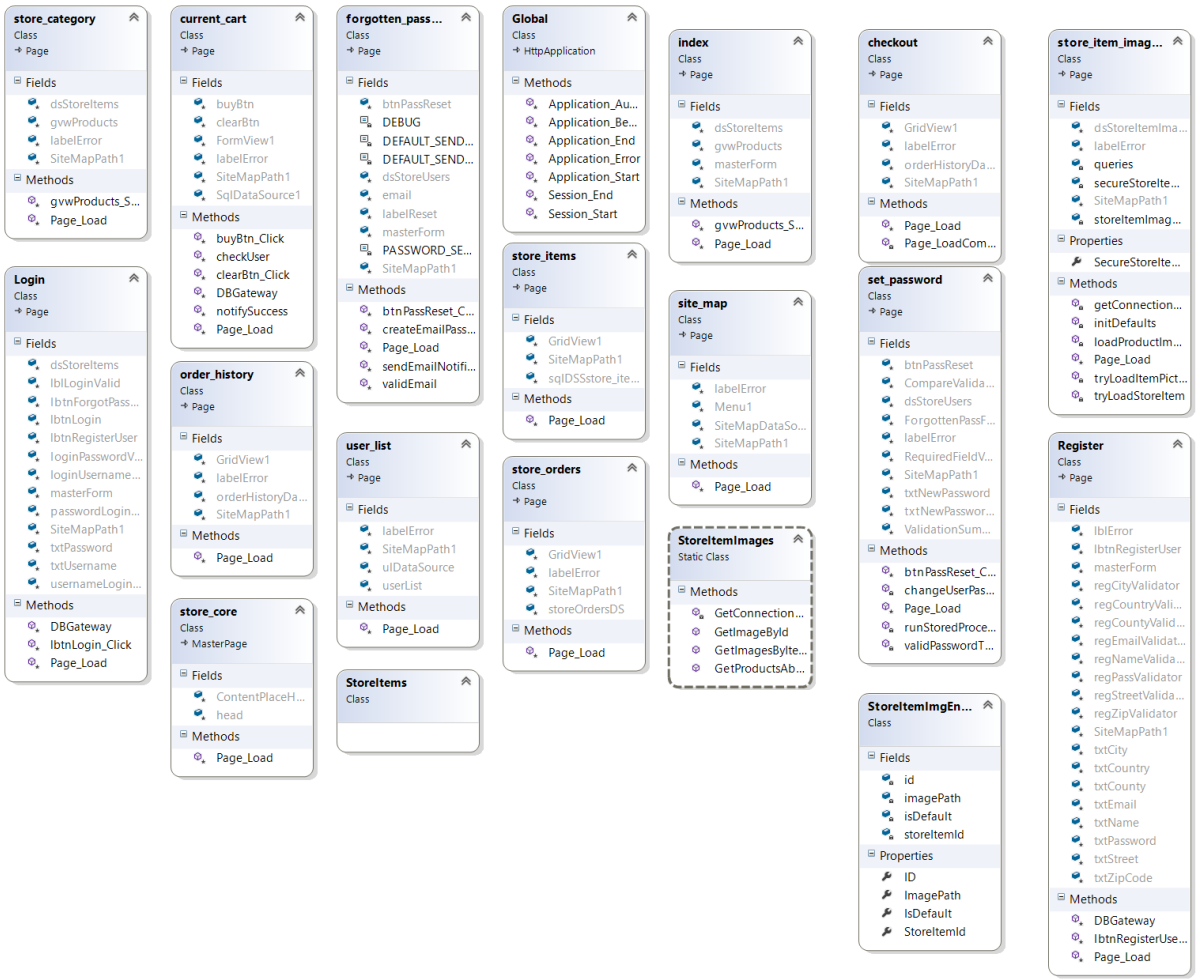
The Database & its Structure

The database for this project was designed in SQL Server Management Studio 2015. The architecture of the database is shown in the following diagram



The image above outlines the structure of our database. The tables of the database are used to store numerous information such as user (users table), product (store_items table) or customer support messages (support messages table).

Application UML diagram



Closing Statements

This project has been built using many of the ASP.Net controls and features. Unfortunately there were members of the team as already outlined who did not contribute nor did they complete any work. To make matters worse these team members would not communicate with us even after countless attempts were made. This left the actual team members that were working on this project in the dark until it was too late and for this reason the project was not completed to the standard we hoped for. We were left with no time to implement the pages that we were let down on.