

World Recipe Blog

ASP.NET MVC WEB APPLICATION

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Introduction

The purpose of this report is to provide an overview of our ASP.NET MVC World Recipe Blog project. The main goal of the web application is to provide a platform for users to read and share recipes and pictures.

Business Logic

|  |  |
| --- | --- |
| **USERS** | **TASKS** |
| Anonymous user | -can read all recipes on the blog -can search all recipes by name, ingredients and contents |
| Registered user | -can read all recipes on the blog  -can search all recipes by name, ingredients and contents  -can share recipes and multiple pictures on the blog -can edit and delete only recipes and pictures they have submitted  -cannot edit and delete recipes and pictures submitted by other users |
| Admin | -can read all recipes on the blog  -can search all recipes by name, ingredients and contents  -can share recipes with multiples pictures  -can delete any recipe submitted by any registered users  -cannot edit recipes and pictures submitted registered users  -can only edit recipes and pictures she/he shared  -can see message from user through contact form |

Models

The following table show the model structure we have used for the project:

|  |  |
| --- | --- |
| Recipe | ID  Title  Ingredients  Content  Created Date  Modified Date  User Email  View Count |
| RecipeFile | ID  Recipe  ImageFile |
| Contact | ID  FullName  Email  Message  PhoneNumber |

Controllers

For the project we have created two controllers that contains all Actions required for the project. The table below show the actions for the controllers.

|  |  |
| --- | --- |
| Controller | Action |
| Recipe | **Index:** Creates a list of recipes and display them on the Recipe Page in rows of four. User can see the date recipe was modified, and a view count that shows the number of times the recipe has been read.  When user press on More Recipes, eight more recipes are displayed below.  The recipe page also includes Search action to search the list by Title, Content and Ingredients.  Additionally, user can sort the recipe by created date or view count.  **New:** Creates new viewmodel when new recipe is created on Share recipe form. Share Recipe link only appears on the navbar when registered users or admin have logged in. Registered User/Admin can then access the share recipe form. They can enter title, ingredients, contents and multiple pictures of the recipe and share them on the blog.  **Save: S**aves the new recipe as well as images on Share Recipe Form and redirects registered user/admin back to the Recipe(Index) Page. The new recipe posted by the registered user /admin is displayed at the end of the row of recipes. The recipe image is saved in the ~/RecipeImageFiles and other information of recipe is saved in DB.  **Read:** When any user clicks on a recipe, it displays the selected recipe and its images on the Read View and the View Count is updated. The Ingredients and Methods are displayed on a new line. The user can see at the top who has posted the recipe and the date it was created. Click on Back to List takes user back to Recipe(Index) Page. Edit, Delete link is on the bottom of the page depending on user’s authority.  **Edit:** Edit will allow registered users and admin to make changes and updates to the recipes they have posted.  Registered user will have access to the Edit button on the Read Page only if the recipe was posted by him/her. She/he can also delete the images she/he posted.  Admin user will have access to the Edit button when reading the recipes he/she has shared.  **Delete:** Delete will allow registered and admin users to remove a recipe from the Recipe page.  Registered users will have access to the Delete button only on their respective recipes while  Admin users will always have access to the Delete button when reading any recipe on the blog.  **ShowImage:** Read image file information from DB and Display image files belong to a recipe on partial view. This partial view is located on Update Recipe page.  **DeleteImage:** When user click on the image on the top of recipe in update page, the image will be deleted from DB and file system. We used AJAX and partial view. This partial view is located on Update Recipe page. |
| Contact | **Index:** Returns the list of contacts to Messages page.  **Create:** Saves all information from the Contact us page and new contact is added to the Messages page which is only accessible by admin when she/he is logged in. |

Web Application Access

LOGIN ACCESS TO THE WEB APPLICATION

ADMIN USER LOGIN: admin@recipeworld.com

PASSWORD: Test123.

GUEST USER LOGIN: guest@recipeworld.com

PASSWORD: Guest123.

Tasks Assignment:

Recipe(List)/Share Recipe/Update Recipe(including ShowImage, DeleteImage)/ Delete Recipe/User&Admin Authorizations/Read Recipe/Home/About/Contact/Report