Exercise

OdeToFood – Part 2: Web Application

May 2019

The OdeToFood application (Part 2)

We will continue the OdeToFood application we build in the previous exercise, by adding controllers that are responsible for returning Html (Views).

Complete the steps below.

- Add a MVC HomeController in the OdeToFood project

- Use TDD to add basic CRUD (Create, Read, Update, Delete) action methods to the "HomeController"

    - IActionResult Index() -> show a list of all restaurants

    - Async Task<IActionResult> Details(int id)   -> show the details of a restaurant

      When you click the Details button, in the Details View, show the details of a Restaurant + the Reviews of that restaurant. To do this, you have to add a ViewModel to pass the Restaurant + the Reviews of that restaurant to the view.

    - ActionResult AddReview() -> show a form to create a review for the restaurant

      When you click the Create button, in the Details View, the following View should be shown:

      Create a new class 'EditReviewViewModel', with all the properties of the Review, without the 'ReviewId' property. You have to use this class, to pass to the 'AddReview' action method, to create a new Review (because the 'ReviewId' is generated in the database).
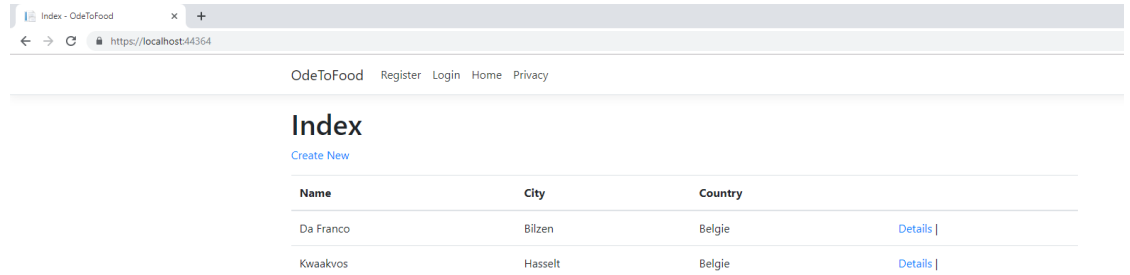
      The 'RestaurandId' should alse be passed to the 'AddReview' action method, because the id of the selected restaurant has to be used.

      Use the 'ReviewsRepository' 'AddAsync' method to add the review to the database. Before you can do this, you have to refactor the' EditReviewViewModel' object to a Review object.
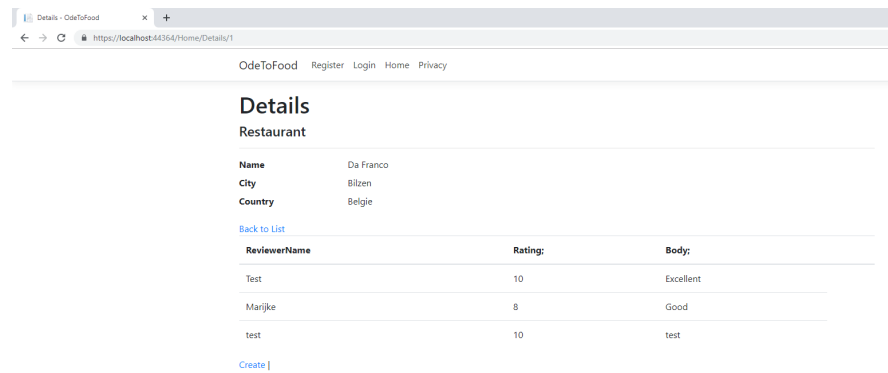
      Add a 'ReviewFactory' class which contains a Create method to convert a 'EditReviewViewModel' object to a 'Review' object. Do this in a test driven way.

      The 'Back to List' link, should do the redirection to the index action method of the HomeController.
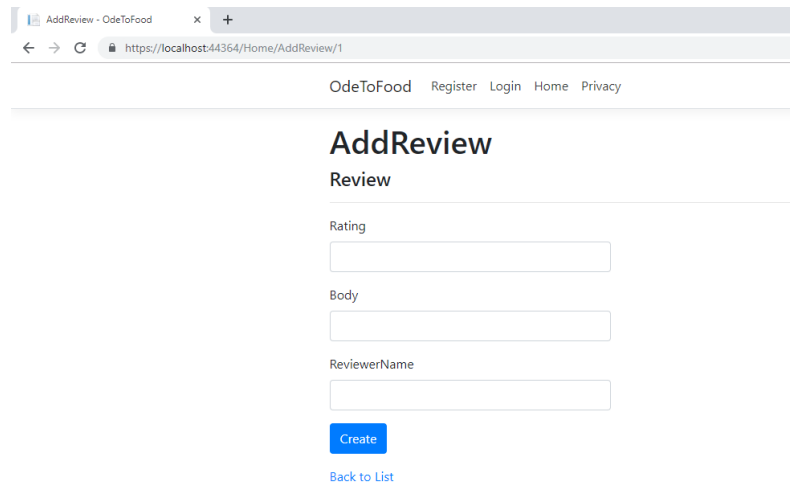
- Add the following views:

    - Index.cshtml (for the index action) to show all Reviews

        - Use the 'List' scaffold template to generate the view

o Details.cshtml (for the Details action method) to show the details of a Restaurant.

  ▪ Use the 'Details scaffold template to generate the view and add code to show the details of the Reviews

o AddReview.cshtml (for the AddReview action) to show the details of a Review.

  ▪ Use the 'Create scaffold template to generate the view