Mid-Term Evaluation:
Dinosaurs

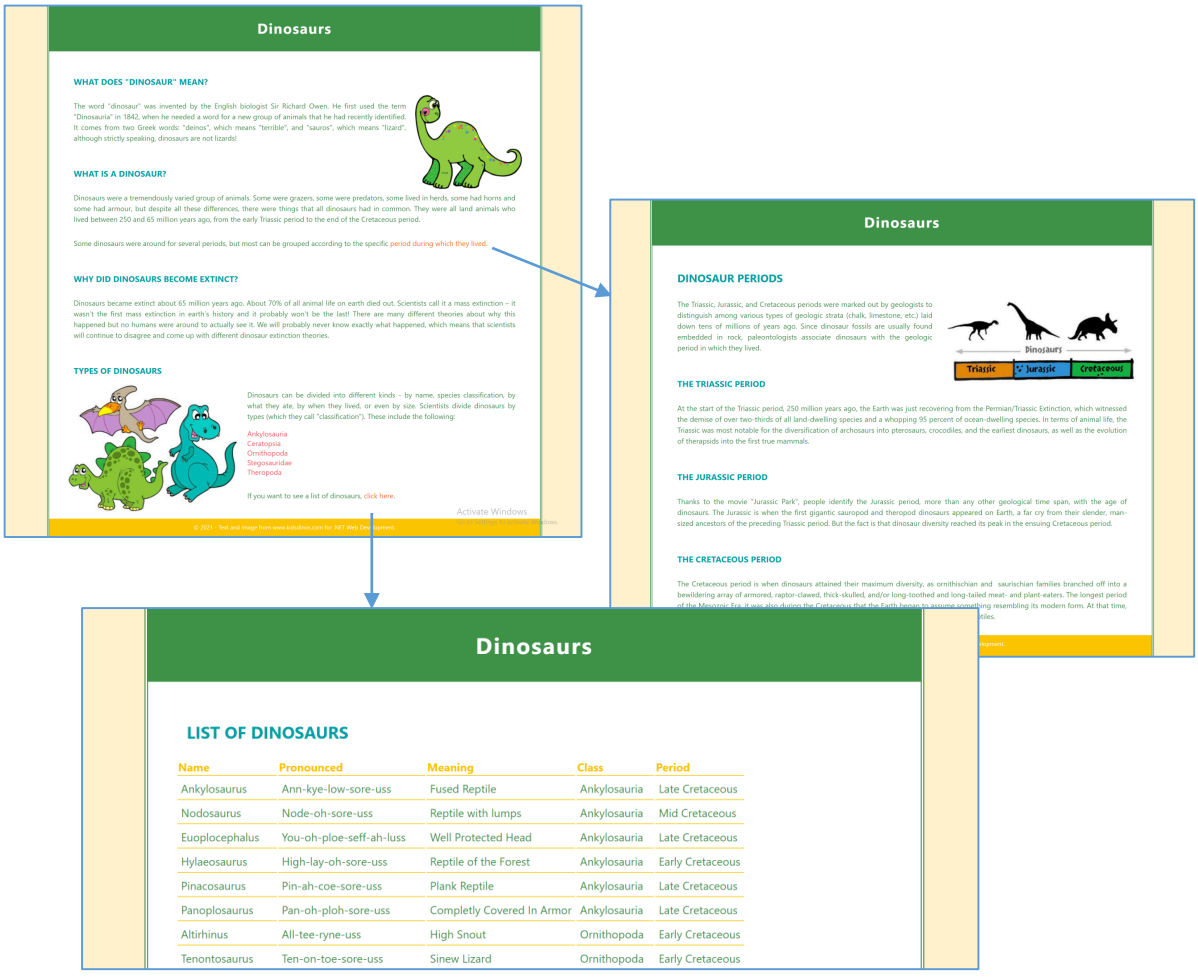
For your mid-term evaluation, you are putting together a small web application that teaches kids about dinosaurs. At this stage it consist of the following pages:

- Home (Index)
- Periods
- Classes
- Dinosaurs

The Homepage, Periods and Classes page contain static HTML with text and images (the content of which has been provided for you). The Dinosaurs page must use a service that obtains a list of dinosaurs from the JSON file provided and displays it in a table as shown.

In order to do this, you must create a Dinosaur class whose properties will map to the JSON properties in the file provided. You must remember to include the JSON file with the data in your project so that your application can obtain the data required from it.

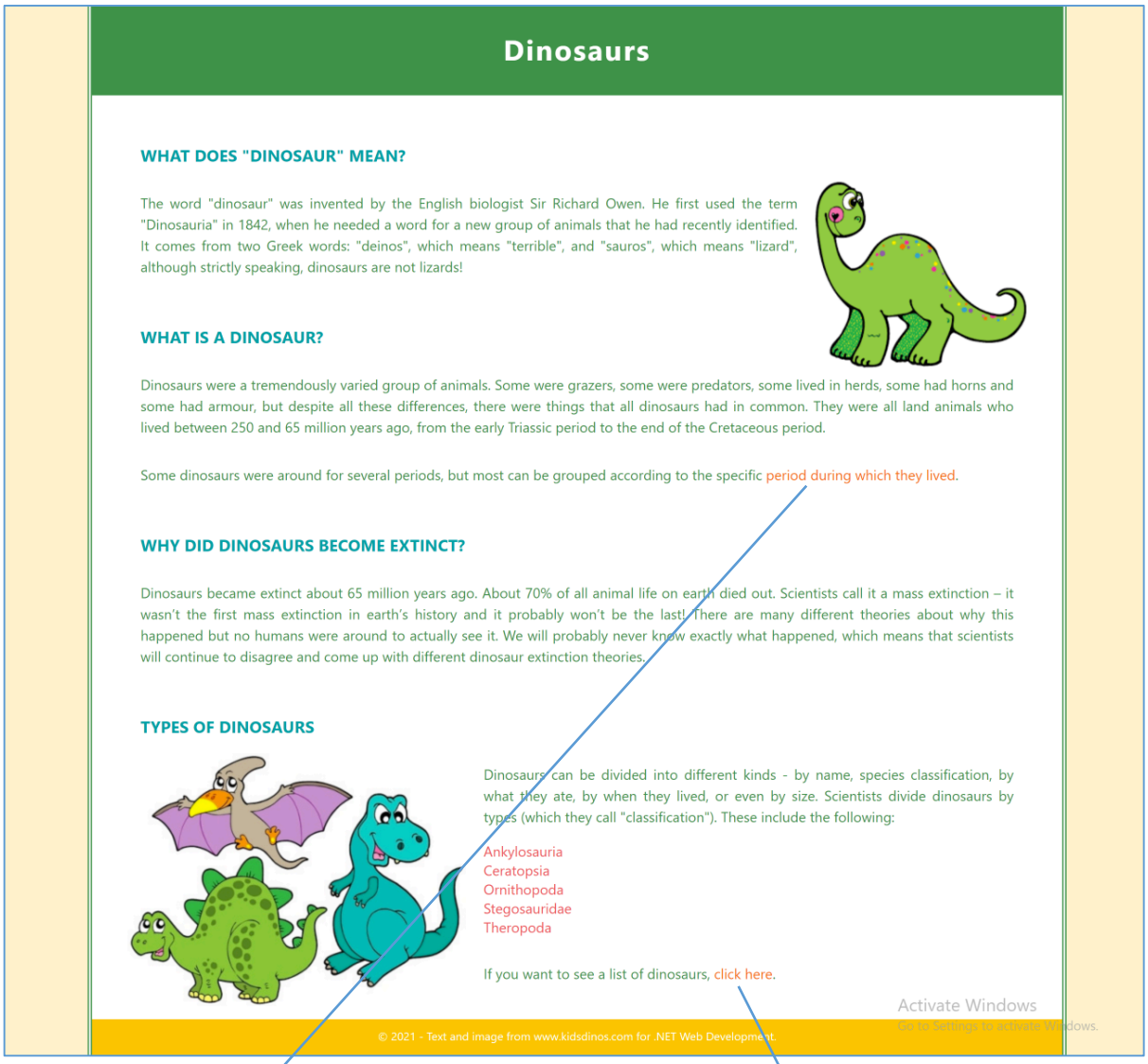
You have also been provided with a suggested layout and colour-scheme, which you should try and replicate as closely as possible. A CSS file and images have been provided for you.



Instructions:

1. Create a .NET Web Application called Dinosaurs.

2. Modify _Layout.cshml and Index.cshtml so that the homepage displays as shown. It must contain text and images provided, and mimic the layout as closely as possible.



Index.cshtml

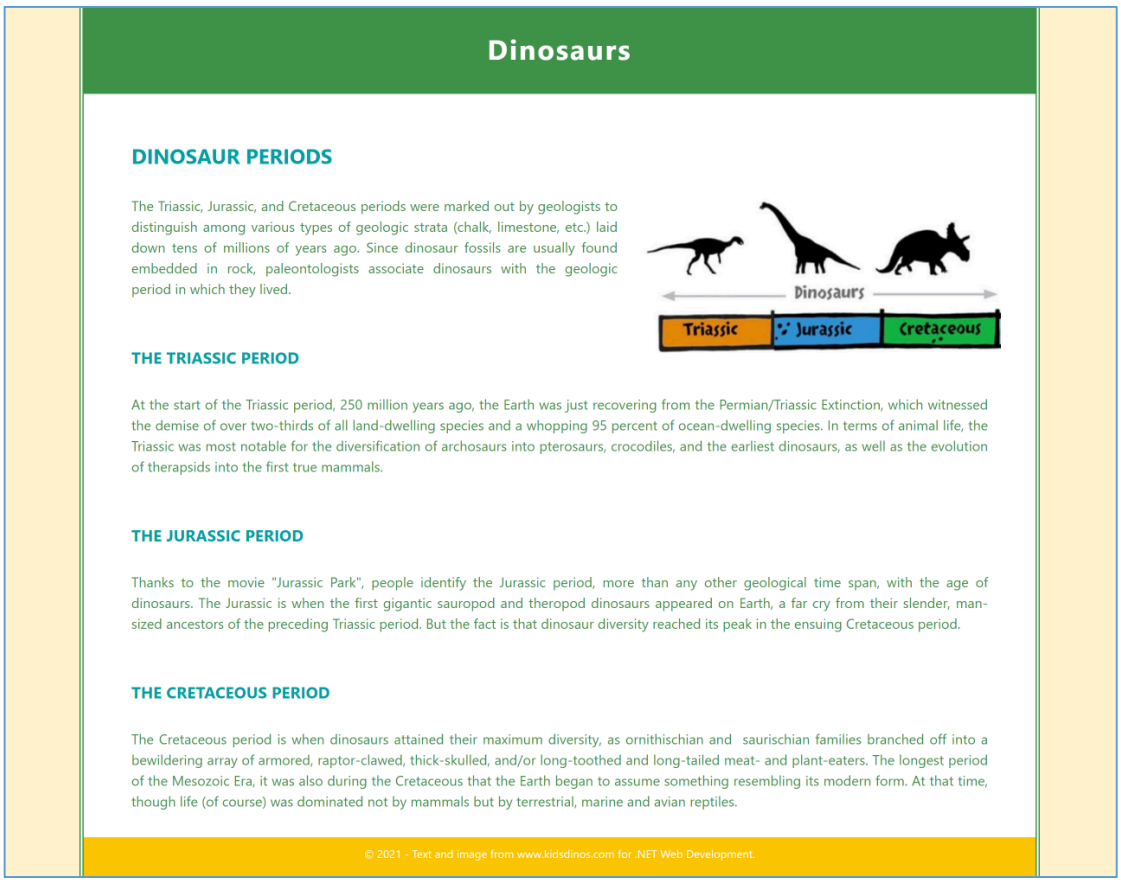
Periods.cshtml

Takes the user to a page that contains information about the different periods (text and image provided)

List.cshtml

Takes the user to a page that uses a service to show a list of dinosaurs (with information) from the JSON file provided.

3. Create a page Periods.cshtml which contains the text and image provided. Users can navigate to this page by clicking on the hyperlink in Index.cshtml.



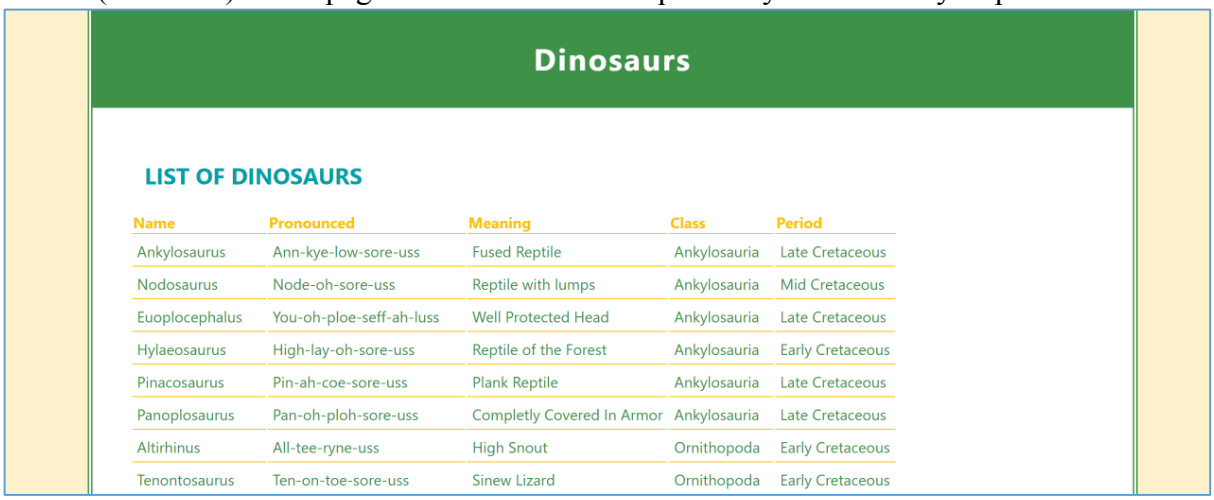
Periods.cshtml

4. Include the JSON file with the dinosaur data in your project.

5. Create a Model that maps the properties in your Dinosaur class to the JSON properties.

6. Create a service that gets the dinosaur data from JSON and produces a list of Dinosaur objects. Don't forget to register the service with your application.

7. Create a page List.cshtml which uses the service to display the required data in a table (as shown). Your page should mimic the required layout as closely as possible.



Name	Pronounced	Meaning	Class	Period
Ankylosaurus	Ann-kye-low-sore-uss	Fused Reptile	Ankylosauria	Late Cretaceous
Nodosaurus	Node-oh-sore-uss	Reptile with lumps	Ankylosauria	Mid Cretaceous
Euoplocephalus	You-oh-ploe-seff-ah-luss	Well Protected Head	Ankylosauria	Late Cretaceous
Hylaeosaurus	High-lay-oh-sore-uss	Reptile of the Forest	Ankylosauria	Early Cretaceous
Pinacosaurus	Pin-ah-coe-sore-uss	Plank Reptile	Ankylosauria	Late Cretaceous
Panoplosaurus	Pan-oh-ploh-sore-uss	Completly Covered In Armor	Ankylosauria	Late Cretaceous
Altirhinus	All-tee-ryne-uss	High Snout	Ornithopoda	Early Cretaceous
Tenontosaurus	Ten-on-toe-sore-uss	Sinew Lizard	Ornithopoda	Early Cretaceous

List.cshtml

Submission Requirements:

- Zipped up file containing your entire Solution.
  This will ensure that you are able to do this for your Final Evaluation.

- Screenshot of your Solution Explorer window to show your folder structure containing the JSON file, static assets, Models, Services, Pages and the files within them.

- Screenshot of code in Dinsosaur.cs which contains the Dinosaur class and properties.

- Screenshot of code in Index.cshtml that includes the links to Periods and List.

- Screenshot of the code in the ConfigureSergices() method in Startup.cs file.

- Screenshot of your application working in the browser.
  Please show that the following pages are working:
  Index.cshtml
  Periods.cshtml
  Links.cshtml