

Module 3 Assessment Exercise

This assessment helps you validate your understanding of the module objectives:

- Controllers
- Views
- Passing data from controllers to views
- Handling Request data
- View logic
- Dynamic link creation
- Query parameter access

It also gives you practice with coding assessments you may encounter during the job interview process.

Overview

This is a time-boxed, individual coding assessment. You have one hour to complete as much of your assigned problem as you can. You are not expected to complete all features of the problem in the time given.

You may use any resource available in the classroom except another Human Being. This is an individual effort.

Whatever you complete should not have compile or run-time errors. Any features you can complete should run successfully.

If you are nearing the end of the time-box and you have compile/run-time errors, consider commenting out or removing the code causing the errors before you push your final effort.

At the end of the time-box, you should push your final effort to your class repository.

You are expected to remain in the classroom until you have completed the coding assessment.

If you finish before the end of the time-box, please be respectful of those still working. Please leave the classroom if you would like to talk with others that have completed the coding assignment.

Setup Instructions

1. Pull from your class repository like you do for code every day. The assessment is in the module-3 folder of your class repo folder.
2. Open the project in the **Assessment** folder.
3. In SSMS, open and run the `setup.sql` script in the `scripts` folder to create the database.
4. Open Puppies.sln to begin working on the assessment.

Assessment Instructions

1. Create a controller action in `PuppiesController` mapped to the `/Puppies` route.
 - Call the `GetPuppies()` method in the DAO and pass that information to the `Index` view.
2. Change the `Index` view:
 - Show all the entries from the controller in the provided table.
 - The weight should have `lbs` after it.

- The `PaperTrained` value should show as 'Yes' when true and 'No' when false.
- 3. Create a controller action in `PuppiesController` that takes information from the form in the `Index` view.
 - Save that information as a new entry in the database by passing it to `SavePuppy(Puppy)` in the DAO.
 - Redirect back to the controller action defined from step 1.
- 4. Create a controller action in `PuppiesController` mapped to the `/Puppies/Detail/{id}` route.
 - Call `GetPuppy(int)` in the DAO and pass that information to the `Detail` view.
- 5. Change the `Index` view to make the name of the puppy a link to the controller action created in step 4.

Images

Index page Http GET

Puppies.Web

Puppies!!!

Name	Weight	Gender	Paper Trained?
Blaze	8 lbs	Female	No
Fido	15 lbs	Male	Yes
Spot	10 lbs	Male	Yes
Ozzie	9 lbs	Female	Yes
Eric	14 lbs	Male	No

Add a new puppy

☐ Male ☐ Female

☐ Paper Trained

Save Puppy!

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Index page Http POST

Puppies.Web

Puppies!!!

Name	Weight	Gender	Paper Trained?
Blaze	8 lbs	Female	No
Fido	15 lbs	Male	Yes
Spot	10 lbs	Male	Yes
Ozzie	9 lbs	Female	Yes
Eric	14 lbs	Male	No

Add a new puppy

Snoopy

9

☒ Male

☐ Female

☒ Paper Trained

Save Puppy!

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Index page Http REDIRECT

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Puppies!!!

Name	Weight	Gender	Paper Trained?
Blaze	8 lbs	Female	No
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Ozzie	9 lbs	Female	Yes
Eric	14 lbs	Male	No
Snoopy	9 lbs	Male	Yes

Add a new puppy

Name

Weight

☐ Male

☐ Female

☐ Paper Trained

Save Puppy!

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Detail page Http GET

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Blaze Female

Blaze is a wonderful dog who weighs 8 lbs and is NOT paper trained.

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