

Project: Dynamic Form Builder

Task Complete Note

Duration: 2 Days

■ Project Source Code & Download Instructions

This is my public GitHub repository:

<https://github.com/manjurul0992/DynamicFormBuilderQIA.git>

To download the **Final Task** source code from the **SecondDays** branch, please run the following command:

```
git clone -b SecondDays  
https://github.com/manjurul0992/DynamicFormBuilderQIA.git
```

Alternatively, you can directly browse the repository branch here:

<https://github.com/manjurul0992/DynamicFormBuilderQIA/tree/SecondDays?tab=readme-ov-file>

■ Full ZIP Package (With Database)

If you prefer, you can download the complete project including the database using the link below:

https://drive.google.com/file/d/18W-0Up5cMO5yOyCe4RvhMT-WaC1z6hjv/view?usp=drive_link

1. Add More button to dynamically add multiple dropdown fields.
2. Database Design
3. Form Builder UI.
4. Backend Logic.
5. ADO.NET with store procedure based.
6. Form Validation with jQuery validation.
7. Datatable grid with server site pagination.
8. Grid View with Preview

Bonus Points

1. API Integration: Extra points for using API controllers with proper AJAX calls.

2. View Components: Bonus for dynamically rendering dropdowns using View Components.

Database snippets

<https://github.com/manjurul0992/DynamicFormBuilderQIA/blob/SecondDays/SQLQuery1.sql>

Result snapshot

The screenshot shows a list of code snippets under the heading "Code snippets". The snippets are:

- FormController (Service → business logic → Repository Pattern)
- FormApiController (API with Repository Pattern)
- FormService & IFormService
- FormRepository & IFormRepository
- DropdownViewComponent & Default.cshtml
- Dependency Registration
- Database Script with Stored Procedures

The screenshot shows the "Dynamic Form Builder" interface. It displays a hierarchical form structure with two levels:

- Form Title**: A text input field labeled "Form Title...".
- Level 1**: A dropdown menu labeled "Select Item" with a checked checkbox "Required Field".
- Level 2**: A dropdown menu labeled "Select Item" with an unchecked checkbox "Required Field".

At the bottom of the builder are three buttons: "Add More", "Save", and "Clear".

Dynamic Form Builder

Form Title: employeeinformation

Created: 2025-11-14 23:26

Level 1 *

Option 2

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Show: 10 entries

Search:

Form Title	Created Date	Fields Count	Action
employeeinformation	2025-11-14 23:26	1	Preview Modal Preview
student information	2025-11-14 23:25	2	Preview Modal Preview
student information	2025-11-14 23:25	2	Preview Modal Preview
student information	2025-11-14 23:14	2	Preview Modal Preview
student information	2025-11-14 23:13	3	Preview Modal Preview
require test2	2025-11-14 22:48	3	Preview Modal Preview
require test	2025-11-14 22:47	2	Preview Modal Preview
test	2025-11-14 22:20	2	Preview Modal Preview
test	2025-11-14 22:20	2	Preview Modal Preview
tes	2025-11-14 22:19	2	Preview Modal Preview

Showing 1 to 10 of 19 entries

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The screenshot shows a web-based application interface for managing forms. At the top, there's a header with the QISS logo, a search bar, and navigation links for 'Home' and 'CodeSnippets'. On the right side of the header, there are links for 'Create Form' and 'Forms List'. Below the header, a sidebar on the left lists various form titles such as 'employeeinformation', 'student information', and 'test'. The main area is titled 'Dynamic Form Builder' and contains a sub-section for 'Form Title' with the entry 'employeeinformation' and a creation date of 'Created 2025-11-14 22:36'. A dropdown menu titled 'Level 1' is open, showing several options like 'Select', 'Review', 'Mobile Review', 'Email Review', and 'Local Preview'. A 'Close' button is located at the bottom left of this dropdown. On the far right, there's a vertical sidebar with icons for 'Create New Form', 'Edit Form', 'Delete Form', and 'Import Form'.

Code snippets

Please see my repository

<https://github.com/manjurul0992/DynamicFormBuilderQIA/tree/SecondDays/DynamicFormBuilderQIA>