

## 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>

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## 📦 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-WaC1z6hgv/view?usp=drive\\_link](https://drive.google.com/file/d/18W-0Up5cMO5yOyCe4RvhMT-WaC1z6hgv/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 side 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 image displays two screenshots of a web application titled "Dynamic Form Builder".

The top screenshot shows the "Code snippets" section. It features a list of code snippets with expandable details:

- 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 bottom screenshot shows the "Dynamic Form Builder" interface. It includes a "Form Title" field and two levels of configuration:

- Level 1:** A dropdown menu labeled "Select Item" and a checkbox labeled "Required Field" which is checked.
- Level 2:** A dropdown menu labeled "Select Item" and a checkbox labeled "Required Field" which is unchecked.

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

### Dynamic Form Builder

**Form Title:** employeeinformation  
Created: 2025-11-14 23:26

**Level 1 \***

Option 2

[← Back to List](#)

### History

[+ Create New Form](#)

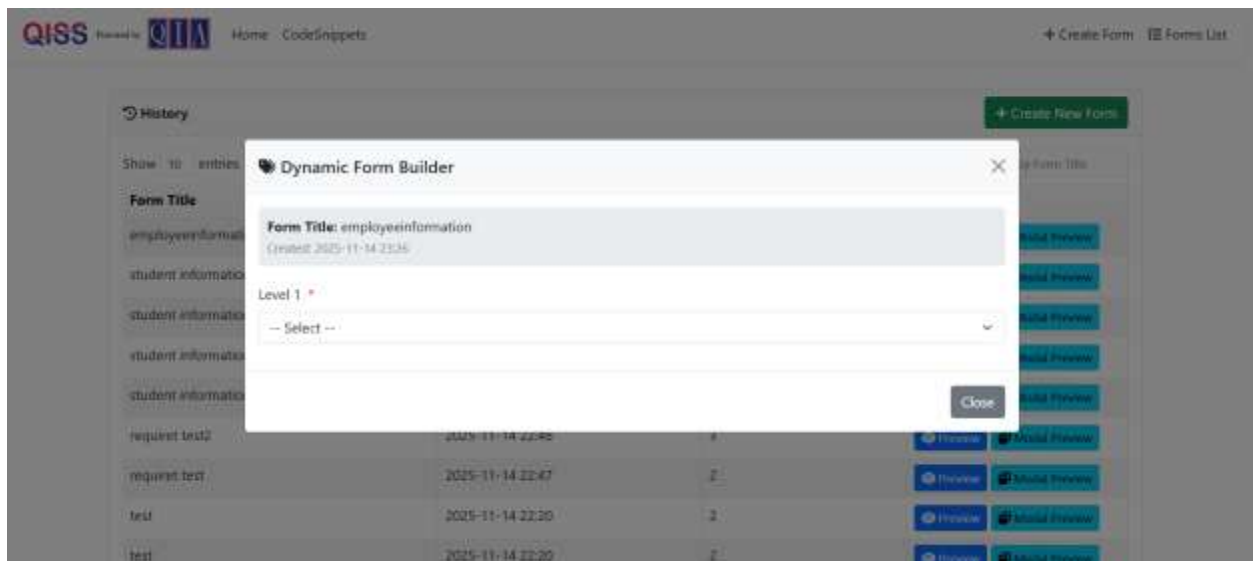
Show 10 entries

Search:

Form Title	Created Date	Fields Count	Action
employeeinformation	2025-11-14 23:26	1	<a href="#">Preview</a> <a href="#">Model Preview</a>
student information	2025-11-14 23:25	2	<a href="#">Preview</a> <a href="#">Model Preview</a>
student information	2025-11-14 23:25	2	<a href="#">Preview</a> <a href="#">Model Preview</a>
student information	2025-11-14 23:14	2	<a href="#">Preview</a> <a href="#">Model Preview</a>
student information	2025-11-14 23:13	3	<a href="#">Preview</a> <a href="#">Model Preview</a>
requiertest2	2025-11-14 22:48	3	<a href="#">Preview</a> <a href="#">Model Preview</a>
requiertest	2025-11-14 22:47	2	<a href="#">Preview</a> <a href="#">Model Preview</a>
test	2025-11-14 22:20	2	<a href="#">Preview</a> <a href="#">Model Preview</a>
test	2025-11-14 22:20	2	<a href="#">Preview</a> <a href="#">Model Preview</a>
tes	2025-11-14 22:19	2	<a href="#">Preview</a> <a href="#">Model Preview</a>

Showing 1 to 10 of 19 entries

Previous [1](#) [2](#) Next



## Code snippets

Please see my repository

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