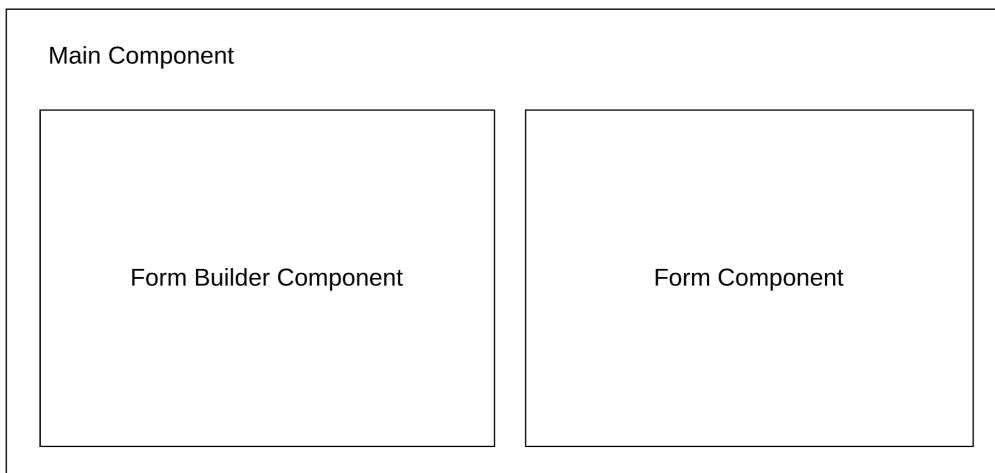# Form Builder Assignment

Build a dynamic form that presents a basic questionnaire. In the dynamic form you have to create the new forms on the fly without changing the application code.

There should be 3 important components.
1. Main Component
2. Form Builder Component
3. Form Component

The components layout should be as shown in the following figure.

Steps:

1. Create an array of form fields Each form field object in the array will have following fields
   a. Label (Textbox)
   b. Field Type (Dropdown)
      i.   Text
      ii. Textarea
      iii. Select
      iv. Checkbox
      v.   Radio

c. Name (Textbox - no spaces and special characters allowed)

d. Options (list of options separated by comma required only if field field type is select / checkbox / radio)

e. Submit Button (to add field to array)

When clicked on the Add Field button, the field should be pushed to the form fields array and it should be reflected to the form on Form Component. Details about Form Component as follows.

Form Component: Render all the form fields added from the array created in Form Builder Component based on field type and options. Show label. Store form data in an object with the name of the fields as keys. E.g. Field name is xyz, the formData object should have a key xyz with field value. { xyz: "field value" }.

Show a submit button at the end of the dynamically rendered form. And when clicked on that submit show form data object in console showing all the field values if entered / selected.

Important Notes:
1. Form fields array should be shared with form component by form fields component
2. Form Fields Component and Form Component should be in the same parent component Main Component.
3. Do not nest the Form Component under the Form Builder component. They should be parallel to each other.
4. Use MUI components (React)