

# FarmwiseAI Pvt Ltd

## Front End Developer - React JS - Assessment

Create a web application using **ReactJS and Redux**.

Single web page for adding fields dynamically and Single web page to display the added fields dynamically.

Page will have one drop down with values "Student", "Self-Employee" and "Business"

By Selecting anyone in the dropdown, the user needs to define the input fields and data to be collected with validations.

### **Input Fields:**

1. Should be limited to add maximum of 4 fields.
2. Only Text box, Drop-Down and Date picker should be allowed.
3. Same data type field can be repeated without restrictions.
4. **For each field:** Field Name, Field Type, Field Validation and Field Data (Dropdown).  
Should be entered – Sample screens below.

All the below saved data should be stored in Redux, this data should be retained even after page reload.

### **1. Sample Screens for Adding Fields Dynamically:**

On Select of Student Dropdown, click add field button.

Dynamic Data Collection

Select

Student

Salaried

Business

On Click of this Button

Add Field

Select Field Type

Text Box

Dropdown

Date Picker

Select The Field Type in the drop down. Based on the selection the field properties are collected. Below screen for field type “Text Box”


The screenshot shows a web application titled "Dynamic Data Collection" with a user profile dropdown set to "Student". An "Add Field" button is located at the top left. Below it, a message states: "On Select of field type in the drop down the data collection fields will be displayed dynamically as below". The form contains several input fields: "Field Type" (a dropdown menu showing "Text Box"), "Field Display Name" (a text box containing "Mobile"), "Field Data Type" (a dropdown menu showing "Number"), "Field Max Length Allowed" (a text box containing "10"), "Mandatory" (a dropdown menu showing "No"), and "Field Data" (an empty text box). A "Confirm" button is positioned to the right of the "Field Data" input. Below the form is a section titled "List Of Added Fields" which is currently empty.

Select The Field Type in the drop down. Based on the selection the field properties are collected. Below screen for field type “Date”

The screenshot shows the same "Dynamic Data Collection" interface, but with the "Field Type" dropdown set to "Date". The "Field Display Name" is now "Date of Birth". The "Field Data Type" dropdown shows "Date". Under the "Date range validation" section, there are two date pickers labeled "Min Date" and "Max Date". The "Mandatory" dropdown still shows "No". The "Field Data" input is empty, and the "Confirm" button remains. The "List Of Added Fields" section is still empty.

We can add max of 4 fields as mentioned below example.

Dynamic Data Collection

 Student ▼


Add Field

Select Field ▼

List of Added Fields						
No	Field Name	Field Type	Field Data Type	Field Validations	Field Data	Is Mandatory
1	Department	Dropdown	String	Null	IT CSE ECE Mech EEE	Yes
2	Mobile	Text box	Number	Max 10 digits	-	No
3	Date Of Birth	Date	Date	Between 01-Jan-1990 to 01-Jan-2010	-	No
4	City Pin Code	Text box	Number	Max 6 digits	-	Yes

Confirm Reset

## 2. Sample Screens for Displaying Fields for data collection Dynamically:

 Student ▼

Below fields will be displayed dynamically for data collection and validations should be performed as per the configuration we added before for each field.

Department ECE ▼

Mobile Number

Date of Birth

Pin Code

Submit

Results: Source code should be shared in GIT Hub link.