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.

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

Dynamic Data Collection

Student ▾

Add Field

On Select of field type in the drop down the data collection fields will be displayed dynamically as below

Field Type	Field Display Name	Field Data Type	Field Max Length Allowed	Mandatory	Field Data	
Text Box ▾	Mobile	Number ▾	10	No ▾		Confirm

List Of Added Fields

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

Dynamic Data Collection

Student ▾

Add Field

On Select of field type in the drop down the data collection fields displayed dynamically below

Field Type	Field Display Name	Field Data Type	Date range validation Min Date Max Date	Mandatory	Field Data	
Date ▾	Date of Birth	Date ▾	📅 📅	No ▾		Confirm

List Of Added Fields

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

Dynamic Data Collection

Student ▼

Add Field

Select Field ▼

No	Field Name	Field Type	Field Data Type	Field Validations	Field Data	Is Mandatory
				List of Added Fields		
1	Department	Dropdown	String	Nill	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. <u>Sample Screens for Displaying Fields for data collection Dynamically:</u>

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.