

## React Project Application Testing

### *Description*

As you develop the app you should periodically run through these manual test steps to make sure you have not lost functionality. The number of a test script matches the number of the requirement it satisfies:

### *Manual Test Scripts*

- 1 The app should display a list of Customer records.
  - 1.1 Refresh the app in the browser.
  - 1.2 The customer list should show all available customer records.
- 2 The label “Customer List” should appear on-screen, above the list of Customer records.
  - 2.1 Refresh the app in the browser.
  - 2.2 The “Customer List” text should appear as defined in the requirements.
- 3 The following fields should be maintained for each Customer: name, email, password.
  - 3.1 Refresh the app in the browser.
  - 3.2 The customer list should show the fields name, email, and password for each record.
  - 3.3 The add-update form should allow entry of text for the fields; name, email, and password.
- 4 Users can select a record by clicking on it in the list.
  - 4.1 See 5. Below
- 5 Selected records should appear with a **bold** font.
  - 5.1 Click on an item in the Customer list.
  - 5.2 The three data fields for the item should change to bold text.
  - 5.3 Field data from the selected record should appear in the add-update edit form.
  - 5.4 Click again on the already selected and bolded item in the customer list.
  - 5.5 The three data fields for the item should no longer be bolded.
  - 5.6 The add-update form should no longer show field data from the previously selected record, instead it should show the input field’s placeholder text.
- 6 Clicking on an already selected record should remove the selection.

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6.1 See 5.4 above

- 7 The section below the Customer list should hold an add-update form. The form's title should be either "Add" or "Update" depending on the form's current mode. (Add for new records, Update when it is showing the selected record)
  - 7.1 Refresh the app in the browser.
  - 7.2 With no record selected in the customer list the title of the add-update-form should be "Add"
  - 7.3 Click on an item in the customer list to select it. The item should be shown in the add-update form.
  - 7.4 With the selected item showing in the add-update for the form's title should be "Update"
- 8 The add-update form section should show the name, email and password of the record selected in the Customer list.
  - 8.1 See 5.3 above.
- 9 Three buttons, delete, save and cancel should appear below the add-update form section.
  - 9.1 Refresh the app in the browser.
  - 9.2 Buttons should appear on the add-update form as described in the requirements.
- 10 Clicking the delete button when a record is selected should delete the selected record.
  - 10.1 Refresh the app in the browser.
  - 10.2 Click on an item in the customer list to select it.
  - 10.3 Click on the [delete] button.
    - 10.3.1 The selected item's field values should no longer be shown in the add-update form.
    - 10.3.2 The selected item should no longer appear in the customer list.
    - 10.3.3 No item on the customer list should show as selected.
    - 10.3.4 Querying the REST service should directly confirm that the item was deleted.
- 11 Deleted records should no longer show in the Customer List
  - 11.1 See 10.3.2 above.
- 12 Users should be able to modify any of the data (name, email, or password) in the add-update form section.

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- 12.1 Refresh the app in the browser.
  - 12.2 Click on each of the input fields in the add-update form and try entering text.
  - 12.3 If the field was empty the input element's placeholder text should be replaced with the text being typed.
  - 12.4 If the field has data, that data should be updated from text being typed.
- 13** Clicking the save button when a selected record has been modified in the add-update form section should update the original record with the modified values.
- 13.1 Refresh the app in the browser.
  - 13.2 Select an item in the customer list, the title of the add-update section should change to 'Update'
  - 13.3 Modify one or more fields of the selected record's data in the add-update form.
  - 13.4 Click on the [save] button.
    - 13.4.1 The changes made in the add-update form should appear in the related item in the customer list.
    - 13.4.2 There should be no selected record after save is clicked.
    - 13.4.3 The add-update form fields should be empty except for the placeholder text.
    - 13.4.4 The title of the add-update section should revert to 'Add'.
- 14** After a record is modified the customer list should be updated so that the modified field values are visible in the list
- 14.1 See 13.4.1 above.
- 15** Clicking on the Cancel button should de-select the selected record.
- 15.1 Refresh the app in the browser and select a record in the customer list.
  - 15.2 Click on the [cancel] button.
    - 15.2.1 There should no longer be any selected item showing in bold.
    - 15.2.2 The add-update form fields should be empty except for the placeholder text.
    - 15.2.3 The title of the add-update section should revert to 'Add'.
- 16** After clicking cancel the fields in the add-update form section should be empty.
- 16.1 See 15.2.2 above.

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**17** When no record is selected the user can type new data into the fields in the Add-update form section.

17.1 See 12.2 above.

**18** Clicking Save when no record is selected and when data has been entered into the Add-update form fields should add a new record.

18.1 Refresh the app in the browser.

18.2 Check that the title of the add-update section shows as 'Add'.

18.3 Enter data into the add-update form fields.

18.4 Click on the [save] button.

18.4.1 The data entered in the add-update form should appear as a new item in the customer list.

18.4.2 After save is clicked there should be no selected record

18.4.3 After save the add-update form fields should be empty except for the placeholder text.

18.4.4 After save the title of the add-update section should be 'Add'

**19** After a new record has been added the Customer List should be updated to include the new record.

19.1 See 18.4.1 above.