

Source code of spec Test.cy.js

```
describe('Form Testing', () => {
  it('Visits the Application, waits for Forms, and clicks on Sign In', ()
=> {
    cy.visit('http://localhost:4200/pages', { timeout: 10000 });
    cy.wait(2000); // Adding a wait to ensure loading of Form's Content
    cy.contains('Auth', { timeout: 10000 }).click(); // Confirm Sign In
    heading is visible
    cy.contains('Login', { timeout: 10000
  }).should('be.visible').click();
  });

  it('Tests Sign In button and form fields', () => {
    cy.contains('Login').click();
    cy.contains('Email address', { timeout: 10000
  }).type('example@example.com');
    cy.contains('Password', { timeout: 10000 }).type('password123');
  });

  it('Validates the functionality of Radio buttons', () => {
    // Step 1: Visit the application
    cy.visit('http://localhost:4200');

    // Step 2: Navigate to Form Layouts
    cy.contains('Forms').click();
    cy.contains('Form Layouts').click();

    // Step 3: Find all radio buttons
    cy.get('nb-radio-group').should('exist').and('be.visible');

    // Step 4: Check the first radio button (Option 1)
    cy.get('nb-radio').contains('Option 1').find('input[type="radio"]')
      .should('be.enabled') // Check if enabled
      .scrollIntoView() // Ensure it's in view
      .click({ force: true }); // Click it with force

    // Step 5: Check the second radio button (Option 2)
    cy.get('nb-radio').contains('Option 2').find('input[type="radio"]')
      .should('be.enabled') // Check if enabled
      .scrollIntoView() // Ensure it's in view
      .click({ force: true }); // Click it with force

    // Step 6: Validate that the first radio button (Option 1) is not
    selected
    cy.get('nb-radio').contains('Option 1').find('input[type="radio"]')
      .should('not.be.checked'); // Assert it's not checked

    // Step 7: Validate whether the third radio button (Option 3) is
    disabled
    cy.get('nb-radio').contains('Disabled
    Option').find('input[type="radio"]')
      .should('be.disabled'); // Assert it's disabled
  });

  it('Interacts with modals, toasters and checkboxes', () => {
    // Step 1: Visit the application
```

```

cy.visit('http://localhost:4200');

// Step 2: Navigate to Modals and Overlays
cy.contains('Modal & Overlays').click();

// Step 3: Click on the toaster
cy.contains('Toastr').click();

// Step 4: Inspect and select checkboxes
cy.get('nb-checkbox').should('have.length', 3); // Check for the
presence of three checkboxes

// Step 5: Use the check method to select all checkboxes
cy.get('nb-checkbox').each(($checkbox) => {
  cy.wrap($checkbox).find('input[type="checkbox"]').check({ force:
true });
});

// Step 6: Click on only the second checkbox using the click() method
cy.get('nb-checkbox').eq(1).find('input[type="checkbox"]').click({
force: true });

});
});

```