

# Assignment : Cypress

## Assignment 1: Basic Setup and Navigation

### Tasks:

- Install Cypress in your project.
- Write a test to visit a webpage and verify its title.

```
describe("Assignment 1: Basic Setup and Navigation", () => {  
  /*  
    Cypress Setup Steps:  
    1. npm init -y  
    2. npm install cypress --save-dev  
    3. npx cypress open  
  */  
  
  it("Visits OrangeHRM login page and verifies the title", () => {  
    cy.visit("https://opensource-  
demo.orangehrmlive.com/web/index.php/auth/login");  
  
    cy.title().should('include', 'OrangeHRM');  
  });  
});
```

## Assignment 2: Interacting with Form Elements

### Tasks:

- Write a test to fill out a form and submit it.
- Verify that the form submission was successful.

```
describe("Assignment 2: Interacting with Form Elements", () => {  
  
  Cypress.on('uncaught:exception', (err, runnable) => {  
    return false;  
  });  
  
  it("Fills out the login form and verifies successful submission", () => {  
    cy.visit("https://demoqa.com/automation-practice-form");  
  
    cy.get("#firstName").type("Lakshmi");  
  });  
});
```

```
cy.get("#lastName").type("Akula");

cy.get("#userEmail").type("lakshmi@example.com");

cy.get("label[for='gender-radio-2']").click();

cy.get("#userNumber").type("9876543210");

cy.get("#dateOfBirthInput").click();

cy.get(".react-datepicker__month-select").select("July");

cy.get(".react-datepicker__year-select").select("1994");

cy.get(".react-datepicker__day--003")
  .not(".react-datepicker__day--outside-month")
  .first()
  .click();

cy.get("#subjectsInput").type("Computer Science{enter}");

cy.get("label[for='hobbies-checkbox-1']").click();

cy.get("label[for='hobbies-checkbox-2']").click();

cy.get('#uploadPicture').attachFile('Sumo Logo.png');// Placed file in
cypress/fixtures folder

cy.get("#currentAddress").type("Visakhapatnam, Andhra Pradesh");

cy.get("#state").click().type("NCR{enter}");

cy.get("#city").click().type("Delhi{enter}");

cy.get("#submit").click();

cy.get(".modal-title").should("have.text", "Thanks for submitting the
form");

cy.get("tbody > :nth-child(1) > :nth-child(2)").should("contain",
"Lakshmi Akula");

});
});
```

### Assignment 3: Testing User Authentication

#### Tasks:

- Write a test to log in with valid credentials.
- Verify that the user is redirected to a dashboard page.

```
describe("Assignment 3: Testing User Authentication", () => {  
    it("Logs in with valid credentials and verifies redirection to dashboard", ()  
=> {  
        cy.visit("https://opensource-  
demo.orangehrmlive.com/web/index.php/auth/login");  
  
        cy.get("input[name='username']").type("Admin");  
  
        cy.get("input[name='password']").type("admin123");  
  
        cy.get("button[type='submit']").click();  
  
        cy.url().should('include', '/dashboard');  
  
        cy.get("h6").should("contain.text", "Dashboard");  
    });  
});
```

### Assignment 4 : Testing Dropdown Functionality

#### Tasks:

- Visit a Page with a Dropdown Menu: Navigate to a webpage that contains at least one dropdown menu.
- Select an Option from the Dropdown: Write a test that selects an option from a dropdown menu.
- Verify the Selected Option: Ensure that the selected option is correctly reflected in the UI (e.g., displayed in the dropdown or a related output).

```
describe("Assignment 4: Testing Dropdown Functionality", () => {  
    it("Visits a page with a dropdown menu and selects an option", () => {  
  
        cy.visit("https://www.zoho.com/commerce/free-demo.html");  
  
        cy.get("#zcf_address_country").select("India").should("have.value",  
"India");  
    });  
});
```

```
})  
})
```