**TEST CASES FOR BOOK STORE APPLICATION USING CYPRESS.IO FRAMEWORK:**

**describe('Webpage Tests'**, () => {

**beforeEach**(() => {

cy.visit('http://localhost:3000');

});

**it('Should display the homepage'**, () => {

cy.contains('Books List');

});

**context('Navigation'**, () => {

**it('Should navigate to Create Book page'**, () => {

cy.contains('Create Book').click();

cy.url().should('include', '/books/create');

});

**it('Should navigate to Show Book page'**, () => {

cy.get('.book-link').first().click();

cy.url().should('include', '/books/details/');

});

**it('Should navigate to Edit Book page'**, () => {

cy.get('.edit-book-link').first().click();

cy.url().should('include', '/books/edit/');

});

**it('Should navigate to Delete Book page'**, () => {

cy.get('.delete-book-link').first().click();

cy.url().should('include', '/books/delete/');

});

});

**context('Create Book',** () => {

it('Should create a new book', () => {

});

});

**context('Show Book'**, () => {

it('Should display book details', () => {

cy.get('.book-link').first().click()

});

});

**context('Edit Book',** () => {

it('Should edit an existing book', () => {

cy.get('.edit-book-link').first().click();

});

});

**context('Delete Book',** () => {

it('Should delete an existing book', () => {

cy.get('.delete-book-link').first().click();

});

});

**context('Login'**, () => {

it('Should login successfully', () => {

});

});

**context('Search',** () => {

it('Should search for a book', () => {

});

});

**context('User Authentication'**, () => {

it('Should display an error message for invalid login', () => {

cy.contains('Invalid credentials');

});

**it('Should redirect to the login page for unauthorized access'**, () => {

cy.visit('http://localhost:3000/books/create');

cy.url().should('include', '/login');

});

**it('Should log in and log out successfully'**, () => {

cy.contains('Welcome, [username]');

cy.contains('Logout').click()

cy.url().should('include', '/login');

});

});

**context('Search',** () => {

it('Should display "No results found" for an invalid search query', () => {

cy.contains('No results found');

});

**it('Should filter books based on the search query',** () => {

cy.get('.book-title').each((bookTitle) => {

expect(bookTitle.text()).to.include('searchQuery');

});

});

});

});