```javascript
//Cypress testing of bookstore assignment


describe("Test whole Web Application", () => {

  // 1. Visit Web Application

  it("User should be able to access the Web App", () => {

    cy.visit("http://localhost:5173");

    cy.contains("Login");

  });



  // ------------------------------------------------------------

  //  Sign up:

  //  2. When provided all required information except password

  it("User should not be able to access login page from sign up page after he provides all required
info except password on sign up page", () => {

    cy.get("#root > div > div > div > p > a").click();

    cy.contains("Already have an account?");



    cy.get("#name").type("waqas");

    cy.get("#email").type("waqas@gmail.com");

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

    cy.contains("Already have an account?");

  });



  // 3. When provided all required information except email

  it("User should not be able to access login page from sign up page after he provides all required
info except email on sign up page", () => {

    cy.get("#email").type("waqas@gmail.com");

    cy.get("#password").type("pwd123");

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

    cy.contains("Already have an account?");

  });
```

```javascript
    // 4. When provided all required information except name

    it("User should not be able to access login page from sign up page after he provides all required
info except name on sign up page", () => {

        cy.get("#email").type("waqas@gmail.com");

        cy.get("#password").type("pwd123");

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

        cy.contains("Already have an account?");

    });


    // 5. Register in the Web App

    it("Verify that user can sign up into the Web App", () => {

        cy.get("#name").type("waqas");

        cy.get("#email").type("waqas@gmail.com");

        cy.get("#password").type("pwd123");

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

        cy.contains("Don't have an account?");

    });


    // ---------------------------------
    // Login:
    // 6. When provided all required information except password

    it("User should not be able to access home page after he provides all required info except
password on login page", () => {

        cy.get("#email").type("waqas@gmail.com");

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

        cy.contains("Don't have an account?");

    });


    // 7. When provided all required information except email

    it("User should not be able to access home page after he provides all required info except email on
login page", () => {

        cy.get("#password").type("pwd123");
```

```javascript
    cy.get("#loginBtn").click();

    cy.contains("Don't have an account?");

  });


  // 8. Login to the Web App
  it("User should be able to login into the Web App", () => {

    cy.get("#email").type("waqas@gmail.com");

    cy.get("#password").type("pwd123");

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

    cy.contains("Your Books");

  });


  // ------------------------------------------------------------
  // 9. Store a book
  it("User should be able to store a book", () => {

    cy.get("#root > div > div.flex.justify-between.items-center > div.flex.justify-between.items-center
> a").click();

    cy.contains("Create Book");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(1) > input").type("kitab noom");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(2) > input").type("kitab likhawonki noom");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(3) > input").type("kitab bara ki");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(4) > input").type("shaya kido tarekh");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > button").click();

    cy.contains("Book Stored successfully.");

  });


  // 10. Search book
  it("User should be able to search a book", () => {
```

```
        cy.get("#searchBar").type("kitab noom");

    });



    // -------------------------------------------------------------

    // 11. Cards page

    it("User should be able to visit Cards page", () => {

        cy.get("#root > div > div.flex.justify-between.items-center > div.flex.items-center.gap-x-4.mb-5 >
button:nth-child(3)").click();

    });



    // 12. Cards: Delete book

    it("User should be able to delete a book while he is on the Cards page", () => {

        cy.get("#CardsPage > div:nth-child(1) > div.flex.justify-between.items-center.gap-x-2.mt-5.p-4.pb-
2 > a:nth-child(3)").click();

        cy.contains("Are you sure You want to delete this Book?");

        cy.get("#root > div > div.flex.flex-col.items-center.border-2.border-sky-400.rounded-xl.w-
\[600px\].p-8.mx-auto > button").click();

        cy.contains("Book Deleted successfully.");

    });



    // 13. Cards: Edit book

    it("User should be able to edit a book while he is on the Cards page", () => {

        cy.get("#root > div > div.flex.justify-between.items-center > div.flex.items-center.gap-x-4.mb-5 >
button:nth-child(3)").click();


        cy.get("#CardsPage > div:nth-child(2) > div.flex.justify-between.items-center.gap-x-2.mt-5.p-4.pb-
2 > a:nth-child(2)").click();

        cy.contains("Edit Book");

        cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(1) > input").type("hgdhasjgdhas");

        cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(2) > input").type("bfhasdasd");

        cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(3) > input").type("sdvndvds");
```

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    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > div:nth-child(4) > input").type("2231");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-
auto > button").click();

    cy.contains("Book Edited successfully.");

  });


  // 14. Cards: Book Details

  it("User should be able to see details of a specific book while he is on the Cards page", () => {

    cy.get("#root > div > div.flex.justify-between.items-center > div.flex.items-center.gap-x-4.mb-5 >
button:nth-child(3)").click();


    cy.get("#CardsPage > div:nth-child(1) > div.flex.justify-between.items-center.gap-x-2.mt-5.p-4.pb-
2 > a:nth-child(1)").click();

    cy.contains("Book Details");

    cy.get("#root > div > div:nth-child(1) > a").click();

    cy.contains("Your Books");


    cy.get("#root > div > div.flex.justify-between.items-center > div.flex.items-center.gap-x-4.mb-5 >
button:nth-child(3)").click();

  });


  // ------------------------------------------------------------------------

  // 15. Table page

  it("User should be able to visit Table page", () => {

    cy.get("#root > div > div.flex.justify-between.items-center > div.flex.items-center.gap-x-4.mb-5 >
button:nth-child(2)").click();

  });


  // 16. Table: Delete book

  it("User should be able to delete a book while he is on the Table page", () => {

    cy.get("#TablePage > table > tbody > tr:nth-child(1) > td:nth-child(5) > div > a:nth-
child(3)").click();
```

```javascript
    cy.contains("Are you sure You want to delete this Book?");

    cy.get("#root > div > div.flex.flex-col.items-center.border-2.border-sky-400.rounded-xl.w-\[600px\].p-8.mx-auto > button").click();

    cy.contains("Book Deleted successfully.");

  });


  // 17. Table: Edit book

  it("User should be able to edit a book while he is on the Table page", () => {

    cy.get("#TablePage > table > tbody > tr:nth-child(2) > td:nth-child(5) > div > a:nth-child(2)").click();

    cy.contains("Edit Book");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-auto > div:nth-child(1) > input").type("jbkjbjbkb");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-auto > div:nth-child(2) > input").type("jkbkbbbjb");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-auto > div:nth-child(3) > input").type("sbckascbjsab");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-auto > div:nth-child(4) > input").type("2342");

    cy.get("#root > div > div.flex.flex-col.border-2.border-sky-400.rounded-xl.w-\[600px\].p-4.mx-auto > button").click();

    cy.contains("Book Edited successfully.");

  });


  // 18. Table: Book Details

  it("User should be able to see details of a specific book while he is on the Table page", () => {

    cy.get("#TablePage > table > tbody > tr:nth-child(1) > td:nth-child(5) > div > a:nth-child(1)").click();

    cy.contains("Book Details");

    cy.get("#root > div > div:nth-child(1) > a").click();

    cy.contains("Your Books");

  });


  // -----------------------------------------------------------------------------
```

```
// 19. Logout from Web Application

it("User should be able to logout from Web App", () => {

    cy.get("logout").click();

    cy.contains("Login");

});


});
```