

Login page code:

```
class LoginPage{
  get usernameInput() {
    return cy.get('[data-test="username"]')
  }

  get passwordInput() {
    return cy.get('[data-test="password"]')
  }

  get loginButton() {
    return cy.get('[data-test="login-button"]')
  }

  get errorMgs() {
    return cy.get('[data-test="error"]')
  }

  loginUser(username,password) {
    this.usernameInput.type(username)
    this.passwordInput.type(password)
    this.loginButton.click()
  }
}
export default new LoginPage
```

Inventory page code:

```
// pages/InventoryPage.js

class InventoryPage {
  // Add Backpack to cart button
  get backpackAddButton() {
    return cy.get('[data-test="add-to-cart-sauce-labs-backpack"]')
  }

  // Cart badge showing number of items
  get cartBadge() {
    return cy.get('.shopping_cart_badge')
  }

  // Add the backpack to cart
  addBackpackToCart() {
    this.backpackAddButton.click()
  }
}
```

```

// Verify cart badge number
verifyCartBadge(count) {
  this.cartBadge.should("contain", count)
}

// Select product sort option
selectSort(optionText) {
  cy.get('[data-test="product_sort_container"]').select(optionText)
}

// Get list of all product prices
getAllPrices() {
  return cy.get('.inventory_item_price')
}
}

export default new InventoryPage()

```

Cart pge code:

```

class CartPage{
  get checkoutButton() {
    return cy.get('[data-test="checkout"]')
  }
  get cartItems() {
    return cy.get('.cart_item')
  }
}
export default new CartPage

```

Checkout page code :

```

// pages/CheckoutPage.js

class CheckoutPage {
  get firstName() {
    return cy.get('[data-test="firstName"]')
  }

  get lastName() {
    return cy.get('[data-test="lastName"]')
  }
}

```

```

get zipCode() {
    return cy.get('[data-test="postalCode"]')
}

get continueButton() {
    return cy.get('[data-test="continue"]')
}

get finishButton() {
    return cy.get('[data-test="finish"]')
}

get completeMessage() {
    return cy.get('.complete-header')
}

fillCheckoutInfo(fname, lname, zip) {
    this.firstName.clear().type(fname)
    this.lastName.clear().type(lname)
    this.zipCode.clear().type(zip)
    this.continueButton.click()
}

finishOrder() {
    this.finishButton.click()
}

verifyOrderComplete() {
    this.completeMessage.should("contain.text", "Thank you for your
order!")
}
}

export default new CheckoutPage()

```

Test file :[source-demo.cy.js](#)

```

import LoginPage from "../pages/LoginPage"
import InventoryPage from "../pages/InventoryPage"
import CartPage from "../pages/CartPage"
import CheckoutPage from "../pages/CheckoutPage"

```

```

describe("Source Demo E-Commerce Tests - Student Style", () => {
  const standardUser = { username: "standard_user", password:
"secret_sauce" }
  const lockedUser = { username: "locked_out_user", password:
"secret_sauce" }

  it("Login successfully with standard user", () => {
    cy.visit("/")
    LoginPage.loginUser(standardUser.username, standardUser.password)
    cy.url().should("include", "/inventory.html")
    cy.get(".inventory_list").should("be.visible")
  })

  it("Login fails with locked out user", () => {
    cy.visit("/")
    LoginPage.loginUser(lockedUser.username, lockedUser.password)
    LoginPage.verifyLoginError("locked out")
  })

  it("Add Sauce Labs Backpack to cart", () => {
    cy.visit("/")
    LoginPage.loginUser(standardUser.username, standardUser.password)
    InventoryPage.addBackpackToCart()
    InventoryPage.cartBadge.should("contain", "1")

    cy.get('[data-test="remove-sauce-labs-backpack"]').should("contain.text", "Remove")
  })

  it("Sort products by price high to low", () => {
    cy.visit("/")
    LoginPage.loginUser(standardUser.username, standardUser.password)
    cy.get('[data-test="product_sort_container"]').select("Price (high to low)")
    cy.get(".inventory_item_price").then(($prices) => {
      const priceArray = $prices.map((i, el) =>
parseFloat(el.innerText.replace("$", ""))).get()
      const sortedArray = [...priceArray].sort((a, b) => b - a)
      expect(priceArray).to.deep.equal(sortedArray)
    })
  })

  it("Complete end-to-end checkout process", () => {

```

```
cy.visit("/")
LoginPage.loginUser(standardUser.username, standardUser.password)
InventoryPage.addBackpackToCart()
cy.get(".shopping_cart_link").click()
CartPage.verifyCartCount(1)
CartPage.verifyItemInCart("Sauce Labs Backpack")
CartPage.goToCheckout()
CheckoutPage.enterCheckoutDetails("Alice", "Smith", "54321")
CheckoutPage.finishOrder()
CheckoutPage.verifyOrderComplete()
})
})
```