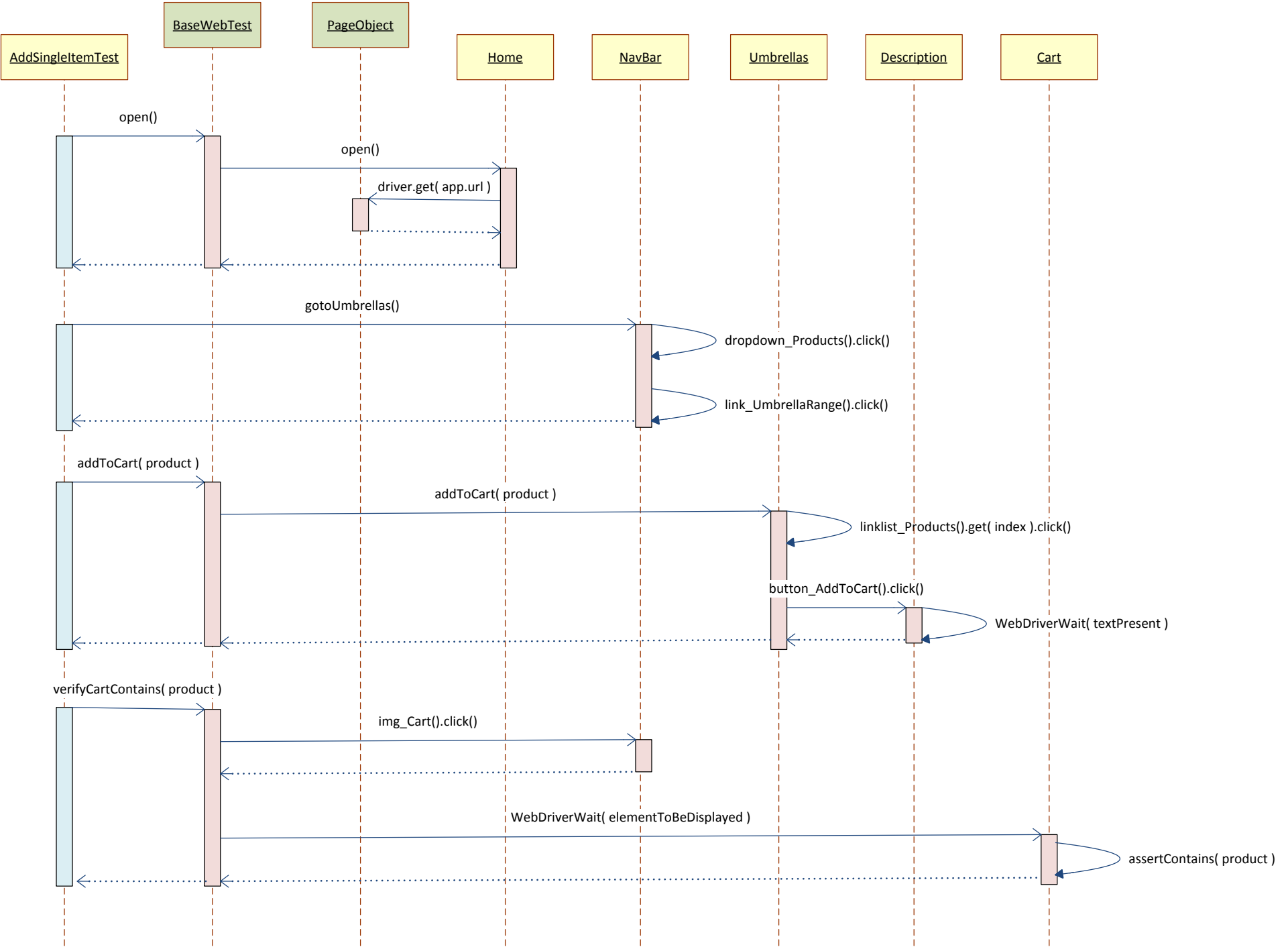
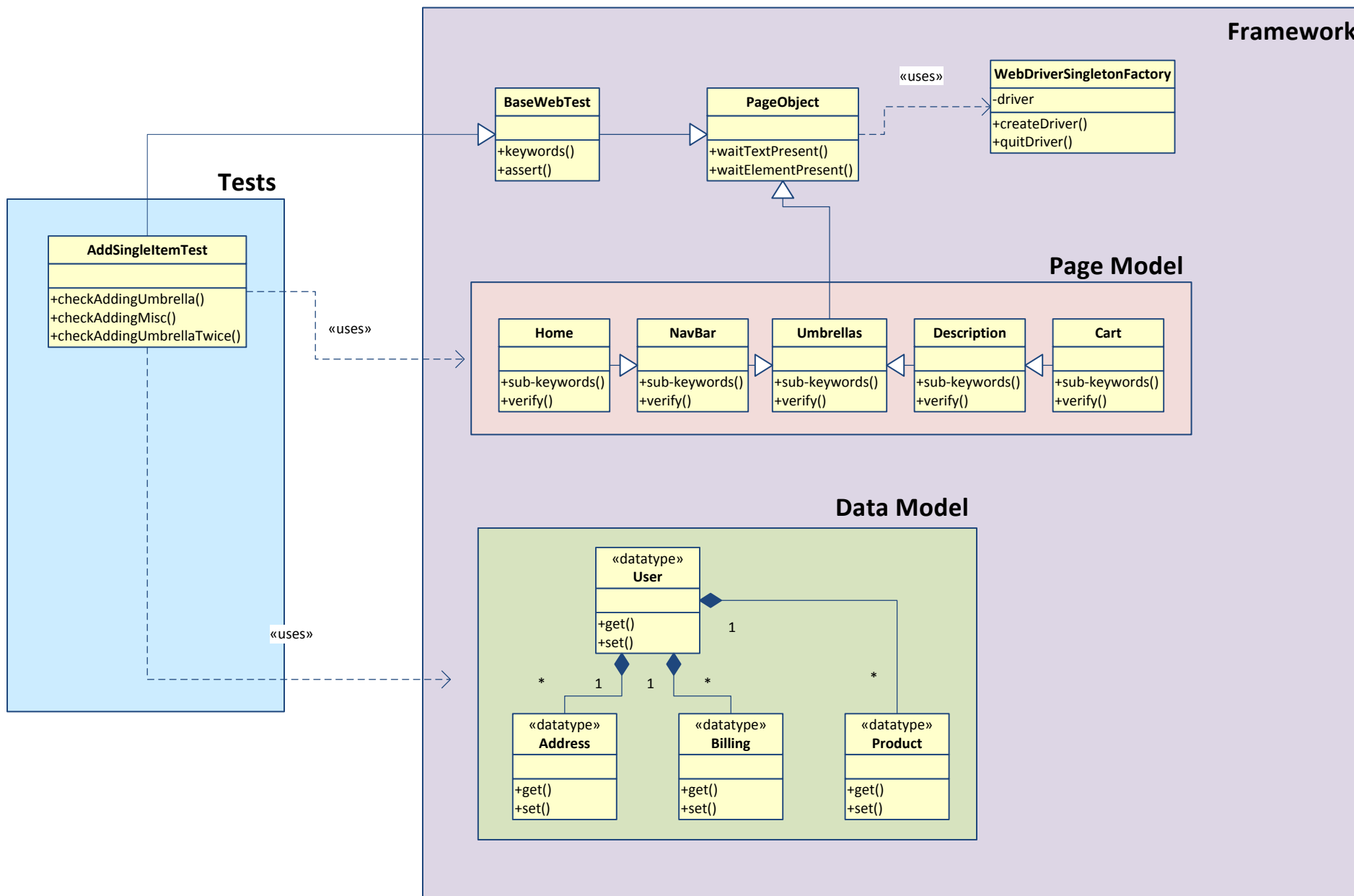


BluntUSA Sequence Diagram





Test

```
package com.acme.qa.site.bluntusa.test.functional.cart;

import com.acme.qa.common.test.BaseWebTest;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;
import com.acme.qa.common.utilities.Utills;
import com.acme.qa.site.bluntusa.model.data.Product;
import com.acme.qa.site.bluntusa.model.ui.NavBar;

public class AddSingleItemTest extends BaseWebTest {

    @BeforeClass
    public void setUp() {
        // launch browser
        open();
        new NavBar().gotoUmbrellas();
    }

    @AfterClass
    public void tearDown() {
        // exit browser
        close();
    }

    @Test
    public void addToCart_SomeRandomUmbrella() {

        Product product = Product.BLUNT_XS_METRO_UMBRELLA;
        addToCart(product);
        verifyCartContains(product);
        //verifyCartContains(Product.FOOBAR); // <= this obviously should fail since expected is wrong

        // purposely adding delay to see the end which happens too fast to see
        Utills.snooze(5000);
    }
}
```

BaseWebTest

```
package com.acme.qa.common.test;

public class BaseWebTest extends PageObject {

    private final WebDriver driver;

    public BaseWebTest() {
        driver = getDriver();
    }

    /*
     * super keywords (super high-level)
     */
    protected void open() {
        new Home().open();
    }

    protected void close() {
        WebDriverSingletonFactory.stopEverything();
    }

    protected void addToCart(Product product) {
        if (product.getType().equals(Product.Type.UMBRELLA)) {
            new Umbrellas().addToCart(product);
        }
        else {
            Assert.fail("Could not determine context of the page object.");
        }
    }

    // TODO: need to refactor test code to allow checking for multiple items in cart
    protected void verifyCartContains(List<Product> products) {
        for (Product product : products) {
            verifyCartContains(product);
        }
    }

    protected void verifyCartContains(final Product product) {

        // goto checkout
        new NavBar().img_Cart().click();

        // verify correct items are in the cart
        new Cart() {{
            waitForElementToBeDisplayed(
                text_OrderSummaryHeading(),
                "Order Summary was not found in the Cart."
            );

            // verify correct number of items
            // TODO: this checks for 1 item only, refactor to check for items > 1 based on list count
            assertThat(
                text_OrderSummaryItemCount().getText(),
                containsString("1 items")
                //containsString("1 itemsXXXXXX") // <= this obviously should fail since expected
                is wrong
            );

            // verify products added is in the order summary list
            assertOrderSummaryContains(product.getTitle());
        }};
    }
}
```

Home

```
package com.acme.qa.site.bluntusa.model.ui;

public class Home extends PageObject {

    private final WebDriver driver;

    public Home() {
        driver = getDriver();
    }

    public static class Expected {
        // success
        public static final String TITLE = "Blunt Umbrellas | The World's Best Umbrellas - designed by New Zealand";
        public static final String LOGGED_OUT_SUCCESS = "You have been successfully logged out.";
        // informational
        public static final String LOGGED_OUT_INACTIVITY = "For the safety of your data, we have logged you out due to inactivity.";
        // error
        public static final String EMAIL_PASSWORD_DO_NOT_MATCH = "Email and password do not match.";
    }

    /*
     * keywords
     */
    public void open() {
        // open browser to starting url
        driver.get( Config.getProperty("app.url") );
        // check page title
        assertThat( driver.getTitle(), equalTo( Expected.TITLE ) );
    }
}
```