

Software Quality and Testing - HW3 Report

Project Repository: github.com/ehakan/migros

Group Members:

- Efe Hakan Gencoglu - 150160003 - gencoglu16@itu.edu.tr
- Mehves Altay - 150160028 - altaym16@itu.edu.tr

Project Architecture

`nav` package

This package has been renamed from the `pages` package. It contains the original 3 base page classes (CategoryPage, MainPage) with slight alterations. Along with the page classes, this package contains representations of some shared UI components, isolated from large page classes for easy reuse. (Breadcrumb, LoginModal, SortingBar, etc.)

`tests` package

All test classes reside under this package. JUnit 5 should run all classes under `tests.purchase`. Several changes were made to the `AbstractTest` class to enable use of sequential tests within the context of the `AbstractTest` object instance.

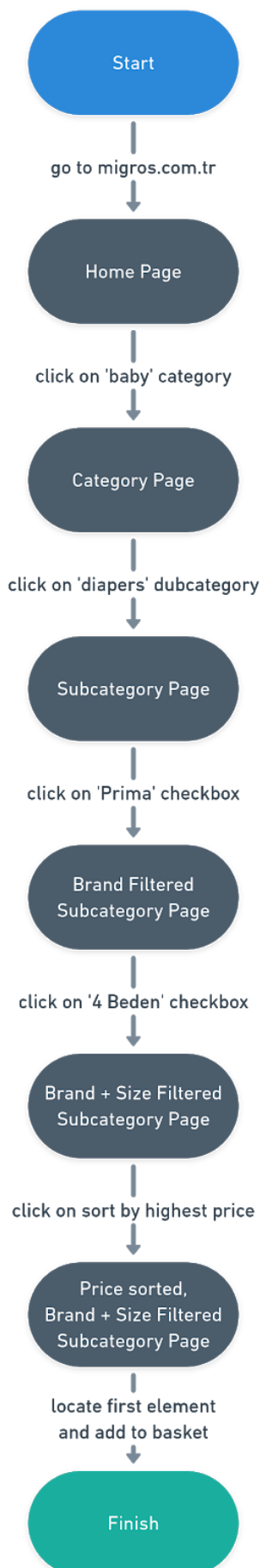
Tests

The following pages will go over our positive and negative tests.

@Test methods under classes should be run sequentially.

In the following diagrams, arrows represent @Test methods in our implementation, which execute actions on the site and assert states. Current state of the test are represented with circular rectangles. Non-solid state means the test does not advance far enough to reach that state.

PurchaseSuccessPathTest (positive)



This is our default, positive test class, containing 6 dependent stages.

click on baby category:

- Transitions to category page by using left side menu
- Asserts category title in the sidebar is correct
- Asserts breadcrumb is correct

click on diapers subcategory:

- Transitions to subcategory page using left side menu
- Asserts subcategory title in the sidebar is correct
- Asserts breadcrumb is correct

click on 'Prima' checkbox:

- Filters the listed products by the brand 'Prima'
- Asserts sidebar title is correct and combined with the brand
- Asserts breadcrumb is correct and still displays the subcategory
- Asserts titles of the products listed in the first page contain the keyword 'Prima'
- Asserts titles of the products listed in the first page do not contain any name from other brands

click on '4 Beden' checkbox:

- Filters the listed products by size 4
- Asserts sidebar title and breadcrumb is still the same
- Asserts size is applied

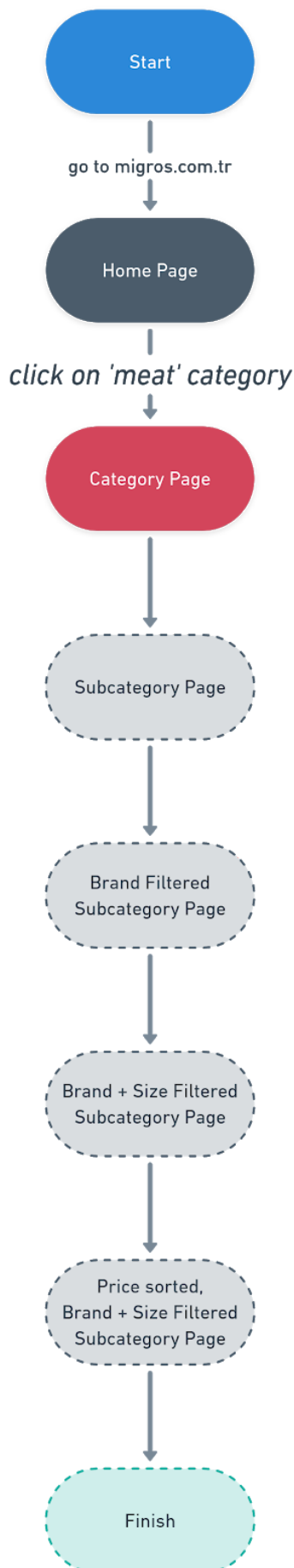
click on sort by highest price:

- Sorts listed products by highest price
- Asserts sidebar title and breadcrumb is still the same
- Assert sort by highest price button is selected
- Asserts price tags of listed products are descending

locate the first element and add to basket:

- Clicks on 'Add to Basket' button on the most expensive product
- Asserts sidebar title and breadcrumb is still the same
- Asserts login modal pops up when clicked on 'add to basket'

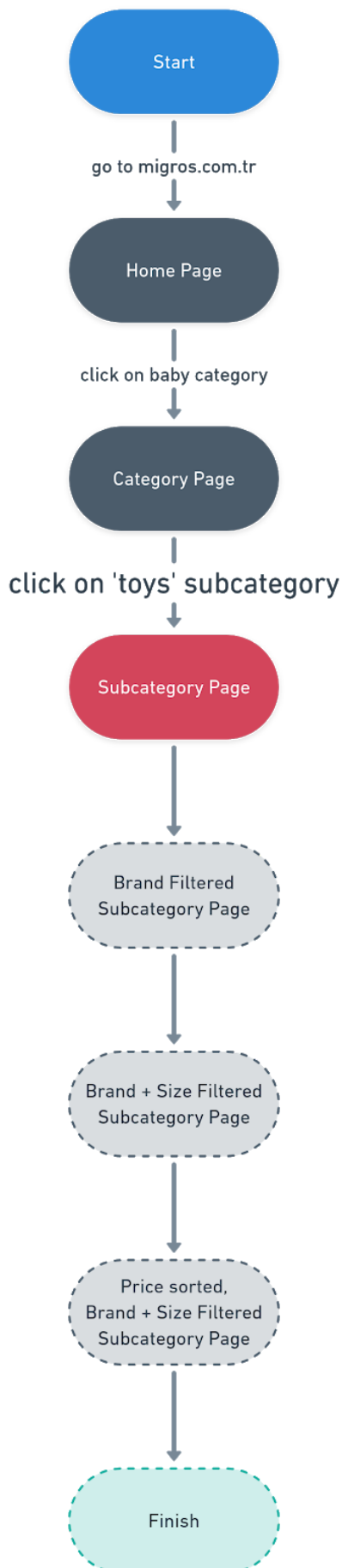
FailAtCategorySelectionTest (negative)



click on meat category:

- Picks the wrong category
- Transitions to the wrong page by using left side menu
- Asserts category title in the sidebar is not baby category
- Asserts breadcrumb is not the baby path

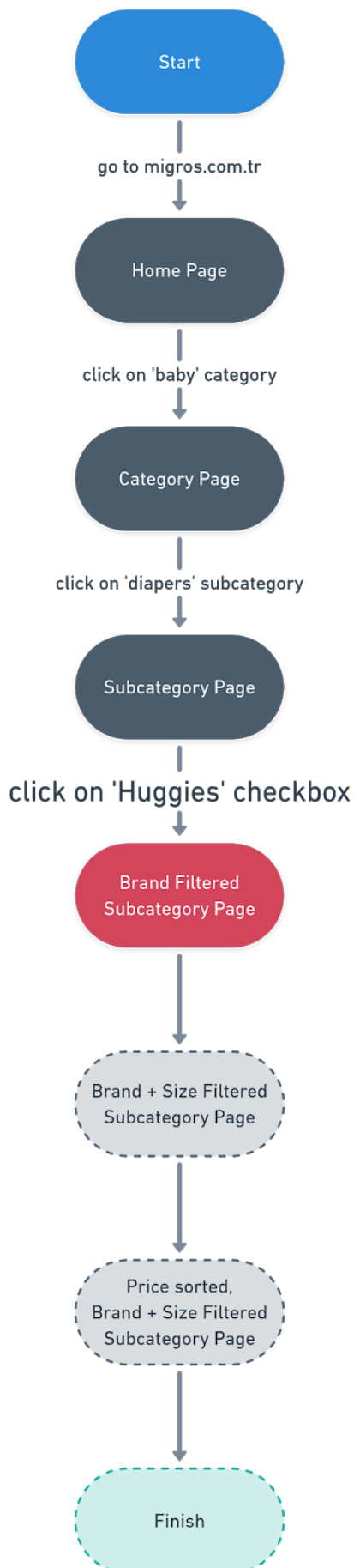
FailAtSubCategorySelectionTest (negative)



click on toys subcategory:

- Picks the wrong subcategory
- Transitions to the wrong subcategory page using left side menu
- Asserts subcategory title in the sidebar is not diapers
- Asserts breadcrumb path is not diapers

FailAtBrandSelectionTest (negative)



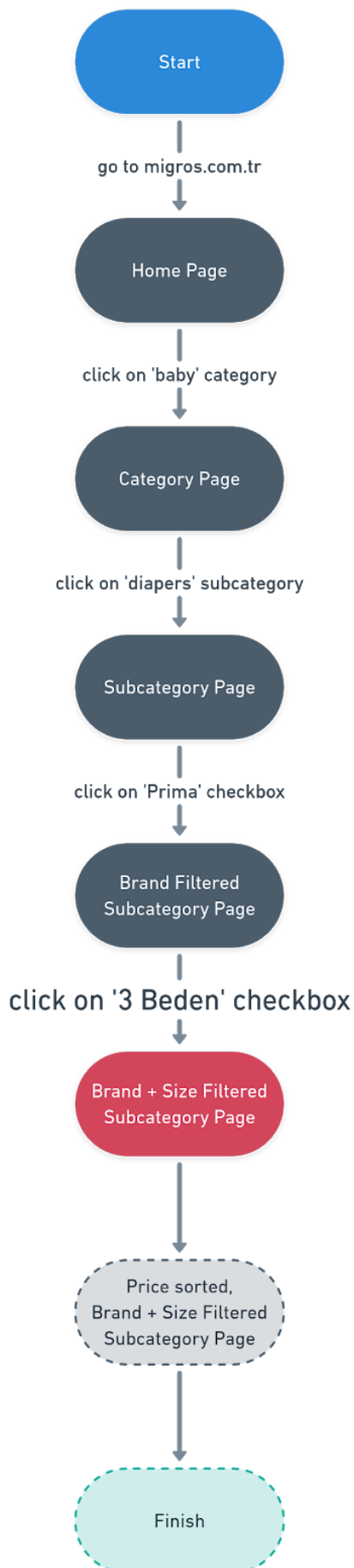
click on Huggies' checkbox:

- Filters the listed products by the incorrect Brand
- Asserts sidebar title is not the Prima brand
- Asserts titles of the products listed in the first page does not contain the keyword 'Prima'

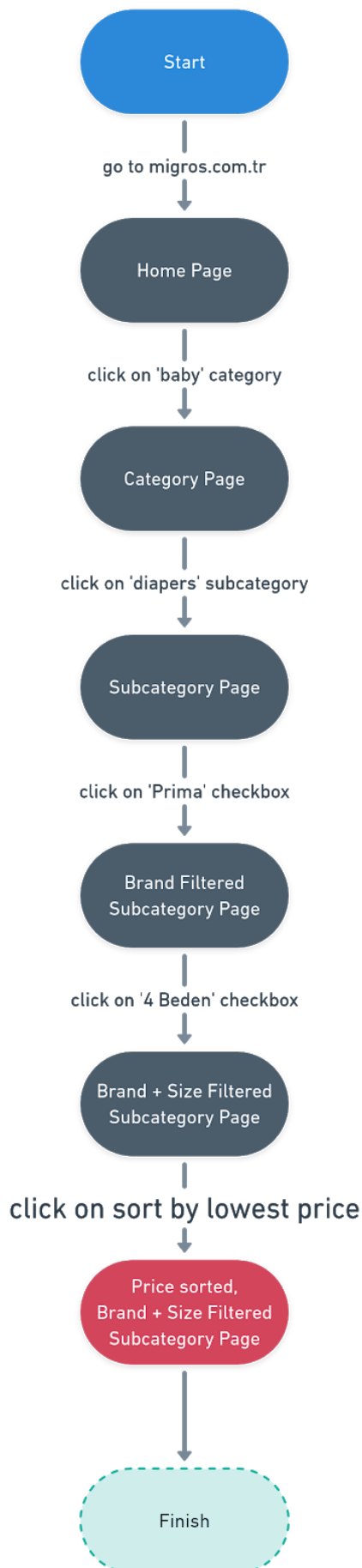
FailAtSizeSelectionTest (negative)

click on '4 Beden' checkbox:

- Filters the listed products by the wrong size
- Asserts size applied is not 4



FailAtSortingSelectionTest (negative)



click on sort by lowest price:

- Sorts listed products by lowest price
- Asserts sidebar title and breadcrumb is still the same
- Assert sort by highest price button is not selected
- Asserts price tags of listed products are not descending