

Test Handook

Based on IEEE 829 Format

April 13, 2021

INTRODUCTION

The primary goal of this plan is to ensure the correct operation of the Glass Store Project. The project will have two levels of testing, Unit and E2E testing. The strategies for each level will be further defined in the level specific plans.

TEST ITEMS

Glass Store Application : <https://github.com/andrasreka96/glassStoreTesting>

FEATURES TO BE TESTED

The following is a list of the areas to be focused on during testing of the application.

- discount rules
- GUI of discount calculator

APPROACH

The overall test approach is requirement based. We will derive our test objectives and test conditions on every level based on the requirements. Technology used for testing: Angular JS and Karma.

LEVEL SPECIFIC STRATEGIES

Unit Test Level

The test cases will be defined based on the requirements above:

- when a regular customer buys one new eyeglasses with loyalty card, obtains 10% price reduction
- If a customer buys 2 eyeglasses gets 15% price reduction for the cheaper glasses.

- If the customer buys 3 or more eyeglasses, gets a price reduction: the price of the cheapest eyeglasses x the number of glasses x 10% (max. EUR 100).
- Customers older than 40 years for each 20 years above 40 years get +20% discount (40-59:20%, 60-79:40%, 80-99:60%, 100-119:80%).

We will test in isolation if everything works as intended.

Integration Test Level

For integration tests Big Bang Strategy will be used.

E2E/Functional Test Level

We will test the following GUI, where the inputs are the parameters for the discount calculator and the output is the price to be paid.

Age:	<input type="text"/>	VIP card:	<input type="checkbox"/>	Total price:
Glasses price:	1.	<input type="text"/>		
		<input data-bbox="678 1094 742 1155" type="button" value="+"/>		