

Test Handook

Based on IEEE 829 Format

April 25, 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 *white box* based. First we'll test a separated module on a granular level. We will derive our unit test objectives and unit test conditions based on the implementation, and after that we will check the component's behavior when it interacts with the user through the GUI.

Technologies

- for the application development Angular will be used
- as testing frameworks Karma and Jasmine will be used
- in order to assure the branch coverage Angular CLI will be used

LEVEL SPECIFIC STRATEGIES

Unit Test Level

For unit testing we will follow *Branch/Decision Testing strategy*.

E2E/Functional Test Level

For E2E testing we will follow *Vertical End-to-End Testing strategy*.