

Test Display System Requirements

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1 INTRODUCTION

1.1 Purpose

This document describes the software requirements for a web based test case display system

1.2 Scope

The function of the system is to provide a visual representation of classes, test cases, scenarios and conditions of projects in order to fast track the learning process of new developers .

2 Overall Description

2.1 Business Problem and proposed solution

When new developers enter start out on a project they may have to go through the code to find out which test where performed in the project and what where the conditions that were stated in those tests. This can be very time consuming because the developer has to go class by class, and scan for these test, the given scenarios, and the conditions.

The proposed solution is to develop a web based test case display system that will enable the developer to upload the source code of the file. After the file has been uploaded then the user can view the classes that are in the project, the test cases, the scenarios and the conditions.

2.2 Business objectives

The new system will;

- Decrease the time and effort needed to scan through the code to find out about the tests being performed in the project

2.3 Product Functions

The system should have a landing page that briefly explains the system and field where the user can upload their code. When the user has uploaded their code they should be able to:

- View the classes in the code
- View the tests in the selected class
- View the scenarios in the selected test
- And view the conditions of the selected scenario

2.4 User Characteristics

The users of the system will be new developers and experienced developers that have just started out on an existing project

2.5 Assumptions and dependencies

We assume that everyone that uses the system has access to the internet. We also assume that the users have a fair understanding of test driven development. We also assume that the project they want to view will be in the specified format

2.6 Exclusions

The system will not be able to display whether the tests passed or failed.

2.7 Key Deliverables

Project Phase	Deliverables	Responsible
Business & Functional Requirements	<ul style="list-style-type: none">Requirements Document	Xoli
User Interface	<ul style="list-style-type: none">Screen Designs	Sello and Demi
Code	Technical Specification	Keagan, Boreli, Sello and De
Testing	<ul style="list-style-type: none">Test CasesFunctional Testing (Development)	Keagan, Boreli, Demi, Sello and Xoli
Testing	User Acceptance Testing	Xoli

3 FUNCTIONAL REQUIREMENTS

Function	Description	Refer to 6 for more details
Upload Project File	Uploading a project file and viewing the classes in a project	6.1
View Test	Viewing the test in a particular class in a tree view format of test and scenarios	6.2
View Conditions	Viewing the conditions of a particular test scenario	6.3

4 Interfaces

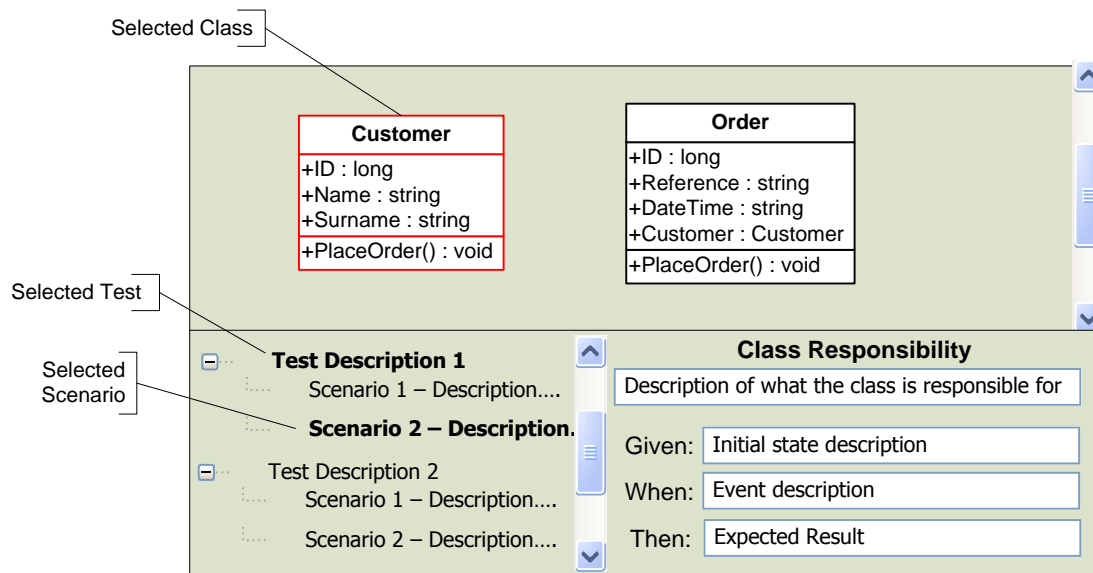
User and software interfaces

Home page

The home is the page that the user will land on, it will give a brief description of the system and a field where the user can upload their project file

Test Display page

After the user has uploaded their file they will be redirected to the test display page where classes in the project will be displayed. When the user clicks on a class the tests and scenarios will be displayed and when the user selects a scenario the test conditions will be displayed.



5 REPORT REQUIREMENTS

The system must produce a pdf report that lists the classes found in the project, with their tests, scenarios and conditions

6 Use Cases

6.1 Upload Project File

Use case id	6.1
Use case name	Upload Project File
Actors	User
Description	Uploading a project file onto the system
Preconditions	User is on home page
Post conditions	User has uploaded project file
Normal Flow	<ol style="list-style-type: none">1. Click on the choose file button2. The system open a file loading dialogue3. Choose project file4. Click upload button5. The system displays the classes in project filer
Alternate Flow	5a. The system displays an error message , that the file uploaded is not in the specified format

6.2 View Test

Use case id	6.2
Use case name	View test
Actors	User
Description	Viewing the tests of a particular class
Preconditions	User is on the test display screen
Post conditions	User has viewed the tests of the class
Normal Flow	<ol style="list-style-type: none">1. Click on the class that you have chose2. The system displays the test and their scenarios in tree view
Alternate Flow	

6.3 View Conditions

Use case id	6.3
Use case name	View Conditions
Actors	User
Description	Viewing the test conditions of a particular test scenario
Preconditions	User is on the test display page and has already chosen a class, and the test scenarios have been displayed
Post conditions	User has viewed the conditions of a test scenario
Normal Flow	<ol style="list-style-type: none">1. Click on the scenario that you have chosen2. The system displays the conditions of that test scenario.
Alternate Flow	