

SE 230 Software Testing
Fall 2008

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PROJECT ID (System under test)	Smart Classifieds- Sell Anything	
PROJECT NAME (SUT) (System under test)	Smart Classifieds- Sell Anything	
Project Milestone	System Test Plan	
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1 Introduction

1.1 Purpose of the Document

This document is a Test Plan for the Smart Classified Sell Anything. It describes the testing strategy and approach to testing QA will use to validate the quality of this product prior to release. It also contains various resources required for the successful completion of this project.

1.2 Organization of the Document

Content	Font
Section	Size :16, Bold
Sub Section	Size :12, Bold,Italics
title	Size : 10, Bold
Text	Size :9

2 System Under Test (SUT)

2.1 System Overview

The project is a web-based application which is built using PHP. So it needs a apache server. It also needs a mysql server to connect to the Database.

2.2 Modules

Login:

This deals with all the scenarios related to login viz. , security checking, session checking etc.

Search:

It is for scenarios related to searching for classifieds.

View :

Related to viewing of the classifieds.

Match :

It deals with searching for different matches for a particular classified.

Add Classified:

It is related to all the scenarios dealing with adding of classifieds to the database.

Database:

It deals with all the scenarios which may affect the database.

External System Module:

It deals with all the scenarios initiated by the external system be it match, view and search.

3 System Test Strategy

3.1 Scope of Testing

3.1.1 Inclusions

1. **Functionality Testing**

Test for - all the links in web pages, database connection, forms used in the web pages for submitting or getting information from user, Cookie testing.

Database testing:

Check for data integrity and errors while editing, deleting, modifying the forms.

Checking all the links:

Test all internal links.

Test links jumping on the same pages.

Test to check if there are any orphan pages.

Lastly in link checking, check for broken links in all above-mentioned links.

Test forms:

First check all the validations on each field.

Check for the default values of fields.

Wrong inputs to the fields in the forms.

Options to create forms if any, form delete, view or modify the forms.

2. **Usability Testing**

Content checking:

Content should be logical and easy to understand. Check for spelling errors. Use of dark colors annoys users and should not be used in site theme.

3. **Interface Testing**

Application server and Database server interface.

4. **Compatibility Testing**

Browser Compatibility:

Test web application on different browsers like Internet explorer, Firefox, Netscape navigator, AOL, Safari, Opera browsers with different versions

5. **Security Testing**

Test by pasting internal url directly into browser address bar without login.

Internal pages should not open.

Try some invalid inputs in input fields like login username, password, input text boxes. Check the system reaction on all invalid inputs.

3.1.2 Exclusions

3.2.1.1

In the add classified page while uploading image the system won't test for the format of the file and it would accept all formats.

3.2.1.2

We are not checking the classifieds for expiry date.

3.2.1.3

The system is not supporting the following categories of classifieds:

- a. Computer
- b. Others

3.2.1.4

Authentication of External system using a database is not yet implemented.

3.2 Rounds of Testing

Round #	Focus of the testing round	Effort Estimation (days or hours)
1	Functional Testing	3 hours
2	Functional Testing	3 hours
3	Functional Testing	3 hours

3.3 Environment Description

Server Side:

Web and Database Server Specifications:

Operating System	Linux
Kernel Version	2.6.18-164.6.1.el5PAE
Architecture	I686
MySQL version	4.1.22-standard
Apache Version	2.2.11
PHP version	5.2.9

Client Side:

Web Browser	Google Chrome
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Localhost Specifications:

Operating System	Windows Vista
Apache Version	2.2.11
Architecture	X86
MySQL version	5.1.30
PHP version	5.2.8

4 Test Scenarios

4.1 Scenario Summary

S. No.	Scenario #	Modules Impacted
1	SA_1	Login
2	SA_2	Login
3	SA_3	Login
3	SA_4	Login
4	SA_4	Search
5	SA_5	Search
6	SA_6	Search

7	SA_7	Match
8	SA_8	View
9	SA_9	Database
10	SA_10	Database , Add Classified
11	SA_11	Add Classified
12	SA_12	Database
13	SA_13	Database
14	SA_14	Database
15	SA_15	External System

4.2 Scenario Listing

Section 1: Login

Scenario #	SA_1
Scenario Description	Trying to login with invalid username/password
Expected Behaviour	System should not allow user to login and display appropriate error message.
Modules impacted	Login

Scenario #	SA_2
Scenario Description	Trying to login with correct username/password
Expected Behaviour	System should redirect to welcome page for the particular user It would also display all the classified posted by the user.
Modules impacted	Login

Scenario #	SA_3
Scenario Description	Trying to Logout
Expected Behaviour	The session should be ended.
Modules impacted	Login

Scenario #	SA_4
Scenario Description	Pasting internal url directly into browser address bar without login.
Expected Behaviour	System should not allow user to login and redirect to the login page.
Modules impacted	Login

section 2: Search

Scenario #	SA_5
Scenario Description	Trying to Search with a particular keyword and selected category.
Expected Behaviour	Displays a list of classifieds according to the search keyword within the specified category internally. While in the external system all results should be displayed only according to keyword irrespective of the category. All users including unregistered users can search for a classified related to the keyword.
Modules impacted	Search

Scenario #	SA_6
Scenario Description	Trying to Search with a particular keyword.
Expected Behaviour	Displays a list of classifieds according to the search keyword internally as well as externally. All users including unregistered users can search for a classified related to the keyword.
Modules impacted	Search

Scenario #	SA_7
Scenario Description	Trying to search without a keyword
Expected Behaviour	System should prompt the user to enter keyword
Modules impacted	Search

Section 3:View and Match

Scenario #	SA_8
Scenario Description	User trying to search for a match for his particular classified.
Expected Behaviour	On clicking the match it would displays the relevant classifieds matching it.
Modules impacted	Match

Scenario #	SA_9
Scenario Description	View a Classified
Expected Behaviour	Displays a particular classified when user clicks on it. The user should be registered to view the classified or else it would prompt the user to register.
Modules impacted	View

Section 4: Database and Add Classified

Scenario #	SA_10
Scenario Description	Creating new user
Expected Behaviour	A new window should popup where the registrant can specify the required details.
Modules impacted	Database

Scenario #	SA_11
Scenario Description	Add a Classified with all the necessary information
Expected Behaviour	The classified should be added to the database.
Modules impacted	Database , Add Classified

Scenario #	SA_12
Scenario Description	Trying to add the classified without the necessary information.
Expected Behaviour	The system will prompt the user to enter all the necessary information regarding the classified.
Modules impacted	Add Classified

Scenario #	SA_13
Scenario Description	Editing the account password with wrong current password.
Expected Behaviour	User should be prompted to enter correct current password.
Modules impacted	Database

Scenario #	SA_14
Scenario Description	Editing the account with correct current password and correctly confirmed new password.
Expected Behaviour	The password should be set to new password.
Modules impacted	Database

Scenario #	SA_15
Scenario Description	Editing the account with correct current password and wrongly confirmed new password.
Expected Behaviour	The password should not be set to new password and the user should be prompted.
Modules impacted	Database

Section 5: External System

Scenario #	SA_16
Scenario Description	External system prompts with a keyword for search.
Expected Behaviour	The system should search the internal database and return the results in the form of a web response having the url which when requested will give the rdf file containing the classifieds.
Modules impacted	External System Module