

MA Stucco, Inc. system

Automated Testing Suite Plan

Version 1.0

2/19/2017

Pythoneers

Revisions

Version	Primary Author(s)	Description of Version	Date Completed
1.0	Evert Salinas	Initial revision. Document creation	19/02/2017

Introduction

Objectives

The MA Stucco, Inc. system is a web application software product. It will provide efficiency of all the functional-level tasks and validate that the system is working correctly on a technical focus. This document will outline the system automated testing suite for each component.

Scope

This document should be used as a reference of the testing methodologies of the components used by the Pythoneers on Django.

References

Version	Document Name	Document Location
1.0	Software Requirements Specification	FinalProjectSpecifications-Final.pdf

Approvals

To proceed with the testing of the system, the team must sign-off on the automated suite plan document.

Test Responsibilities

Pythoneers

Pythoneers will carry out all testing related to the functionality of the system software. This includes, but is not limited to, providing white box testing. Pythoneers will also keep this document up to date as per the status of the project.

Tests

Modules to be tested

Module Number	Module Name	Module Description
1	Login	The Login module is the access to the system
2	Home	The Home is the main page of the system
3	Order Input	The Order Input is the section of the system that enables the user (it has to be administrative one) to place a new order
4	Reports	The Reports presents a list of all finished jobs
5	Worker Administration	The Worker Administration is the section of the system that enables the user (it has to be administrative one) to administrate all workers in the organization

6	Available Reports	The Available Reports takes the user to the available jobs
---	-------------------	--

These are taken from the Software Requirements Specification found in section VIII

Test Description

The following sections will describe the test cases that will be performed by automated testing suite developed in Django. These test cases will be identified by the component that they test as a whole system.

Login

Test Number	A1
Test Name	Authentication of non-users
Startup State	None
Input Specification	<ul style="list-style-type: none">• Login using random non-existent credentials
Output Specification	<ul style="list-style-type: none">• Access not granted to the home page

Test Number	A2
Test Name	Authentication of users
Startup State	None
Input Specification	<ul style="list-style-type: none">• Login using random existent credentials
Output Specification	<ul style="list-style-type: none">• Access granted to the home page

Home

Test Number	A3
Test Name	Navigating to Order Input page as worker
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as worker• Click in Order Input button
Output Specification	<ul style="list-style-type: none">• Access denied to Order Input page

Test Number	A4
Test Name	Navigating to Reports page as worker
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as worker• Click in Reports button
Output Specification	<ul style="list-style-type: none">• Access denied to Reports page

Test Number	A5
Test Name	Navigating to Worker Administration page as worker
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as worker• Click in Worker Administration button
Output Specification	<ul style="list-style-type: none">• Access denied to Worker Administration page

Test Number	A6
Test Name	Navigating to Available Jobs page as worker
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as worker• Click in Available Jobs button
Output Specification	<ul style="list-style-type: none">• Access granted to Available Jobs page

Test Number	A7
Test Name	Navigating to Order Input page as administrator
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as administrator• Click in Order Input button
Output Specification	<ul style="list-style-type: none">• Access granted to Order Input page

Test Number	A8
Test Name	Navigating to Reports page as administrator
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as administrator• Click in Reports button
Output Specification	<ul style="list-style-type: none">• Access granted to Reports page

Test Number	A9
Test Name	Navigating to Worker Administration page as administrator
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as administrator• Click in Worker Administration button
Output Specification	<ul style="list-style-type: none">• Access granted to Worker Administration page

Test Number	A10
--------------------	-----

Test Name	Navigating to Available Jobs page as Administrator
Startup State	Test A1 has been accomplished
Input Specification	<ul style="list-style-type: none">• Login in as administrator• Click in Available Jobs button
Output Specification	<ul style="list-style-type: none">• Access granted to Available Jobs page

Order Input

Test Number	A11
Test Name	New Job using wrong input
Startup State	Test A7 has been accomplished
Input Specification	<ul style="list-style-type: none">• Fill form with incorrect inputs
Output Specification	<ul style="list-style-type: none">• System deny the creation of the job and notify

Test Number	A12
Test Name	New Job using correct input
Startup State	Test A7 has been accomplished
Input Specification	<ul style="list-style-type: none">• Fill form with correct inputs
Output Specification	<ul style="list-style-type: none">• System create the new job and notify

Reports

Test Number	A13
Test Name	Test functionality of Search Bar
Startup State	Test A8 has been accomplished
Input Specification	<ul style="list-style-type: none">• Input a worker's name in the search bar
Output Specification	<ul style="list-style-type: none">• The list with the worker named like the input

Test Number	A14
Test Name	Verify list filtered by "cached"
Startup State	Test A8 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click in filter by cached jobs
Output Specification	<ul style="list-style-type: none">• A list of cached jobs

Test Number	A15
Test Name	Verify list filtered by “uncashed”
Startup State	Test A8 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click in filter by uncashed jobs
Output Specification	<ul style="list-style-type: none">• A list of uncashed jobs

Worker Administration

Test Number	A15
Test Name	Add Worker with wrong input
Startup State	Test A9 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click in add worker button• Complete worker information with wrong inputs
Output Specification	<ul style="list-style-type: none">• Deny the addition of the new worker and notify it

Test Number	A16
Test Name	Add Worker with correct input
Startup State	Test A9 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click in add worker button• Complete worker information with correct inputs
Output Specification	<ul style="list-style-type: none">• New worker saved successfully

Test Number	A17
Test Name	Remove Worker with a job
Startup State	Tests A12 and A16 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click in the delete worker button• Select the worker to be deleted
Output Specification	<ul style="list-style-type: none">• Worker deleted successfully

Test Number	A18
Test Name	Remove Worker without a job
Startup State	Test A16 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click in the delete worker button• Select the worker to be deleted
Output Specification	<ul style="list-style-type: none">• Worker not deleted

Test Number	A19
Test Name	Validate Worker List Information
Startup State	Test A16 has been accomplished
Input Specification	<ul style="list-style-type: none">• Verify list show all current workers
Output Specification	<ul style="list-style-type: none">• List with all current workers

Test Number	A20
Test Name	Validate worker on worker list
Startup State	Test A16 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click on an worker random
Output Specification	<ul style="list-style-type: none">• New page with the worker's info displayed

Test Number	A21
Test Name	Validate Worker's Information
Startup State	Test A20 has been accomplished
Input Specification	<ul style="list-style-type: none">• Validate information for the selected worker
Output Specification	<ul style="list-style-type: none">• Correct info about the selected worker

Test Number	A22
Test Name	Edit Worker with wrong inputs
Startup State	Test A16 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click "Edit Worker" on a random worker• Edit info with wrong inputs
Output Specification	<ul style="list-style-type: none">• Worker info not changed

Test Number	A23
Test Name	Edit Worker with correct inputs
Startup State	Test A16 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click "Edit Worker" on a random worker• Edit info with correct inputs
Output Specification	<ul style="list-style-type: none">• Worker info changed successfully

The Client & Available Jobs

Test Number	A23
Test Name	Validate List of Jobs

Startup State	Test A6 has been accomplished
Input Specification	<ul style="list-style-type: none">• Validate that the list shows all the available jobs
Output Specification	<ul style="list-style-type: none">• List with all available jobs

Test Number	A24
Test Name	Jobs Filtered by Worker
Startup State	Test A6 has been accomplished
Input Specification	<ul style="list-style-type: none">• Validate that the list has the jobs that fall into his specified status/category
Output Specification	<ul style="list-style-type: none">• List with the correct jobs for that worker

Test Number	A25
Test Name	Jobs Filtered by Administrator
Startup State	Test A6 has been accomplished
Input Specification	<ul style="list-style-type: none">• Validate that the list has all the jobs shown
Output Specification	<ul style="list-style-type: none">• List with all the jobs

Test Number	A26
Test Name	Taking a job without a worker assigned
Startup State	Test A6 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click on an available job
Output Specification	<ul style="list-style-type: none">• Job assigned to the authenticated user

Test Number	A27
Test Name	Taking a job with a worker assigned
Startup State	Test A6 has been accomplished
Input Specification	<ul style="list-style-type: none">• Click on an unavailable job
Output Specification	<ul style="list-style-type: none">• Job is not assigned to the authenticated user and notify that is already taken