# System Implementation & Test (SIT)

## Introduction

### System Overview

This section provides in detail all necessary information about test plans, test cases, test result, test environments, pass/fail criteria and risks estimations as well as a checklist to cover all possible cases of ORS system.

### Test Approach

Goal: Check all the features in ORS system and record remain bug to fix.

Type: White box testing, Black-box testing.

Size: System Component.

Technique: Check list.

## Database Relationship Diagram

### Physical Diagram

### Data Dictionary

## Performance Measures

### Clustering Performance

## Test Plan

### Features to be tested

We will carry out test based on core workflow of system. All main functions will be tested carefully and clearly following phases.

* Guest:
* Customer:
* Admin:
* Manager:
* Staff

### Features not to be tested

* Login, Logout.

## System Testing Test Case

### Guest Test Case

#### Create office

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Create office with valid inputted | 1- On admin page. Click ‘’văn phòng‘’  2- On ‘’Văn phòng’’ page. Click ‘Thêm mới văn phòng’’ icon  3- On “Thêm mới văn phòng” page, input valid data in the fields. | N/A | After step 3: office was created and display dialog message “Thêm văn phòng mới thành công” | Passed | 11/08/2015 |  |
| 02 | Create office with wrong inputted | 1- On admin page. Click ‘’văn phòng‘’  2- On ‘’Văn phòng’’ page. Click ‘Thêm mới văn phòng’’ icon  3- On “Thêm mới văn phòng” page, input wrong data in the fields. | N/A | After step 3: office was not created and display warning dialog message in wrong fields | Not Pass | 11/08/2015 |  |
| 03 | Create office with empty inputted | 1- On admin page. Click ‘’văn phòng‘’  2- On ‘’Văn phòng’’ page. Click ‘Thêm mới văn phòng’’ icon  3- On “Thêm mới văn phòng” page, do not input data in the fields. | N/A | After step 3: office was not created and display warning dialog message in wrong fields | Passed | 11/08/2015 |  |

Table : Create Office Test\_Case

#### Edit office

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Manager edits office when office has existed in database | 1- On admin page. Click ‘’văn phòng‘’  2- On ‘’Văn phòng’’ page. Click ‘’Chi tiết’’ icon  3- On ‘’Chi tiết văn phòng’’ page. Click ‘’Chỉnh sửa’’  4- On “Chỉnh sửa’’ page, manager edit information about office  5- Manager clicks ‘’Cập nhật’’ button | Create office test case | After step 5: office was updated and display dialog message “Cập nhật thành công” | Passed | 11/08/2015 |  |
| 02 | Staff edits office when office has existed in database | 1- On admin page. Click ‘’văn phòng‘’  2- On ‘’Văn phòng’’ page. Click ‘’Chi tiết’’ icon  3- On ‘’Chi tiết văn phòng’’ page. Click ‘’Chỉnh sửa’’  4- On “Chỉnh sửa’’ page, manager edit information about office  5- Staff clicks ‘’Cập nhật’’ button | Create office test case | After step 5: office was updated and display dialog message “Cập nhật thành công” | Passed | 11/08/2015 |  |

Table : Edit Office Test\_Case

#### Extend contract

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Extend rent time of office | 1- On “Hợp đồng” page, customer click contract that want to extend rent time  2- Customer click “gia hạn hợp đồng” button  3- Customer click “đồng ý” popup | Crate contract test case | -After step 3: Display dialog message “Đang yêu cầu gia hạn hợp đồng” | Passed | 11/08/2015 |  |

Table : Extend Contract Test\_Case

#### Return contract

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Return contract of office | 1- On “Hợp đồng” page, customer click contract that want to extend rent time  2- Customer click “Huỷ hợp hợp đồng trước hạn” button  3- Customer click “đồng ý” popup | Crate contract test case | -After step 3: Display dialog message “Đang yêu cầu huỷ hợp đồng” | Passed | 11/08/2015 |  |

Table : Return Contract Test\_Case

#### Create rental item

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Create rental item with valid inputted | 1- On admin page. Click ‘Quản lí thiết bị‘’  2- On ‘Quản lí thiết bị” page. Click ‘Thêm mới thiết bị’’ icon  3- On “Thêm mới thiết bị” page, input valid data in the fields. | N/A | After step 3: rental item was created and display dialog message “Thêm thiết bị mới thành công” | Passed | 11/08/2015 |  |
| 02 | Create rental item with wrong inputted | 1- On admin page. Click ‘Quản lí thiết bị‘’  2- On ‘Quản lí thiết bị” page. Click ‘Thêm mới thiết bị’’ icon  3- On “Thêm mới thiết bị” page, input wrong data in the fields. | N/A | After step 3: rental item was not created and display warning dialog message in wrong fields | Not Pass | 11/08/2015 |  |
| 03 | Create retal item with empty inputted | 1- On admin page. Click ‘Quản lí thiết bị‘’  2- On ‘Quản lí thiết bị” page. Click ‘Thêm mới thiết bị’’ icon  3- On “Thêm mới thiết bị” page, do not input data in the fields. | N/A | After step 3: rental item was not created and display warning dialog message in wrong fields | Passed | 11/08/2015 |  |

Table : Create Rental Item Test\_Case

#### Income statistic

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Make income statistic with all district | 1- On admin page. Click ‘Thống kê‘’  2- On ‘Thống kê” submenu. Click “Doanh thu” icon  3- On “Thống kê doanh thu” page, choose make statistic income with all district | N/A | After step 3: display income statistic chart follow all district | Passed | 11/08/2015 |  |
| 02 | Make income statistic with random district | 1- On admin page. Click ‘Thống kê‘’  2- On ‘Thống kê” submenu. Click “Doanh thu” icon  3- On “Thống kê doanh thu” page, choose make statistic income with random district | N/A | After step 3: display income statistic chart follow random district | Passed | 11/08/2015 |  |

Table : Income Statistic Test\_Case

#### Staff statistic

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Make staff statistic with all staff | 1- On admin page. Click ‘Thống kê‘’  2- On ‘Thống kê” submenu. Click “Doanh thu” icon  3- On “Thống kê công việc nhân viên” page, choose make statistic staff with all staff | N/A | After step 3: display staff statistic chart follow works of staff | Passed | 11/08/2015 |  |

Table : Staff Statistic Test\_Case

#### Calendar

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Inter-test Case Dependence** | **Expected output** | **Result** | **Test Date** | **Note** |
| 01 | Make calendar follow day | 1- On admin page. Click ‘Quản lí thời gian nhân viên‘’  2- On ‘Quản lí thời gian nhân viên” page. Click “Ngày” icon | Assigned staff test case | After step 2: display calendar follow number of works of staff | Passed | 11/08/2015 |  |
| 02 | Make calendar follow week | 1- On admin page. Click ‘Quản lí thời gian nhân viên‘’  2- On ‘Quản lí thời gian nhân viên” page. Click “Tuần” icon | Assigned staff test case | After step 2: display calendar follow number of works of staff | Passed | 11/08/2015 |  |
| 03 | Make calendar follow month | 1- On admin page. Click ‘Quản lí thời gian nhân viên‘’  2- On ‘Quản lí thời gian nhân viên” page. Click “Tháng” icon | Assigned staff test case | After step 2: display calendar follow number of works of staff | Passed | 11/08/2015 |  |

Table : Calendar Test\_Case