**5. System Testing Test Case**

**5.1 Create Report**

**5.1.1 Create Report With Mobile Application**

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| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Inter-test Case Dependence** | **Result** | **Test Date** | **Note** |
| CRM1 | User with role is teacher report some damaged equipmet in the classroom that he have schedule in, at the time before his schedule start. | 1. User login with account “HoangNT” on date: “21/07/2015” at time: “07:45 am”. 2. User choose classroom “113” with start time at “08:45 am”. | 1. After step 1, show list of classroom that user have schedule in. 2. After step 2, show message:”Bạn không thể báo cáo phòng này”. | N/A | Passed | 26/7/2015 |  |
| CRM2 | User with role is teacher report some damaged equipmet in the classroom that he have schedule in, at the time that schedule has already started for 5 minutes. | 1. User logins with account “HoangNT” on date: “21/07/2015” at time: “08:50 am”. 2. User chooses classroom “113” with start time at “08:45 am”. 3. User chooses “Máy lạnh” and “Máy chiếu” and then chooses “Tiếp tục”. 4. User chooses “Phải đổi phòng” and then chooses “Gửi báo cáo”. | 1. After step 1, show list of classroom that user have schedule in. 2. After step 2, show list equipment of classroom “113”. 3. After step 3, show evaluate damaged box. 4. After step 4, show message “Đã báo cáo thành công”. | N/A | Passed | 26/7/2015 |  |
| CRM3 | User with role is teacher report classroom that he have schedule in, at the time that schedule has already started for 5 minutes. But there are no euipment is choosen. | 1. User logins with account “HoangNT” on date: “21/07/2015” at time: “08:50 am”. 2. User chooses classroom “113” with start time at “08:45 am”. 3. User chooses “Tiếp tục”. | 1. After step 1, show list of classroom that user have schedule in. 2. After step 2, show list equipment of classroom “113”. 3. After step 3, show error message: “Bạn cần chọn 1 thiết bị trước khi báo cáo! ” | N/A | Passed | 26/7/2015 |  |
| CRM4 | User with role is teacher report some damaged equipmet in the classroom that he have schedule in, with no internet access. | 1. User logins with account “HoangNT” on date: “21/07/2015” at time: “08:50 am”. 2. User chooses classroom “113” with start time at “08:45 am”. 3. User chooses “Máy lạnh” and “Máy chiếu” and then chooses “Tiếp tục”. 4. User chooses “Phải đổi phòng” and then chooses “Gửi báo cáo”. | 1. After step 1, show list of classroom that user have schedule in. 2. After step 2, show list equipment of classroom “113”. 3. After step 3, show evaluate damaged box. 4. After step 4, System wil evaluate damaged level of classroom “113” , if it’s more than 50%, show confirm message box “Hệ thống đánh giá phòng hư hại năng! Bạn có muốn gửi tin nhắn đến nhân viên? Việc này sẽ gây tốn phí!”. Otherwise, show message: “Gửi báo cáo thành công!”. | N/A | Passed | 26/7/2015 |  |

**5.1.2 Create Report With Web Application**

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| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Inter-test Case Dependence** | **Result** | **Test Date** | **Note** |
| CRM1 | User with role is teacher report some damaged equipmet in the classroom that he have schedule in, at the time before his schedule start. | 1. User login with account “HoangNT” on date: “21/07/2015” at time: “07:45 am”. 2. User clicks on button “Gửi báo cáo” | 1. After step 2, show message: “Hiện tại bạn không có lịch dạy”. | N/A | Passed | 26/7/2015 |  |
| CRM2 | User with role is teacher report some damaged equipmet in the classroom that he have schedule in, at the time that schedule has already started for 5 minutes. | 1. User logins with account “HoangNT” on date: “21/07/2015” at time: “08:50 am”. 2. User clicks on button “Gửi báo cáo” 3. User chooses classroom “113”. 4. User clicks on “Máy lạnh” and “Máy chiếu” and then clicks on “Gửi báo cáo”. | 1. After step 2, show list of classroom that user have schedule in. 2. After step 3, show list equipment of classroom “113”. 3. After step 4, show message: “Báo cáo đã gửi thành công!”. | N/A | Passed | 26/7/2015 |  |
| CRM3 | User with role is teacher report in the classroom that he have schedule in, at the time that schedule has already started for 5 minutes. But there are no euipment is choosen. | 1. User logins with account “HoangNT” on date: “21/07/2015” at time: “08:50 am”. 2. User clicks on button “Gửi báo cáo” 3. User chooses classroom “113”. 4. User clicks on “Gửi báo cáo”. | 1. After step 2, show list of classroom that user have schedule in. 2. After step 3, show list equipment of classroom “113”. 3. After step 4, show message: “Bạn cần chọn 1 thiết bị trước khi báo cáo! ”. | N/A | Passed | 26/7/2015 |  |

**5.2 Resovle Report**

**5.2.2 Resovle Report With Web Application**

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| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Inter-test Case Dependence** | **Result** | **Test Date** | **Note** |
| CRM1 | User with role is staff resolve some damaged equipmet in the classroom. | 1. User logins with account “Staff” on date: “10/08/2015” 2. User clicks on button “Xem” in classroom “213” 3. User choose “Máy lạnh” and “Ghế” 4. User clicks on “Khắc phục” button. 5. User clicks on “Khắc phục” button. | 1. After step 2, show report details and list of damaged equipment category in classroom “101”. 2. After step 3, show list serial number of “Máy lạnh” 3. After step 4, show message: “Bạn muốn khắc phục hư hại phòng 101”. 4. After step 5, comeback list report page. | N/A | Passed | 10/8/2015 |  |
| CRM2 | User with role is staff resolve all damaged equipmet in the classroom by “Khắc phục tất cả” button. | 1. User logins with account “Staff” on date: “10/08/2015” 2. User clicks on button “Xem” in classroom “213” 3. User clicks on “Khắc phục tất cả” button. 4. User clicks on “Khắc phục” button. | 1. After step 2, show report details and list of damaged equipment category in classroom “213”. 2. After step 3, show message: “Bạn muốn khắc phục tất cả hư hại phòng 213”. 3. After step 4, comeback list report page. | N/A | Passed | 10/8/2015 |  |
| CRM3 | User with role is staff resolve all damaged equipmet in the classroom by choose all equipment. | 1. User logins with account “Staff” on date: “10/08/2015” 2. User clicks on button “Xem” in classroom “501”. 3. User chooses all equipment in list damaged. 4. User clicks on “Khắc phục” button. 5. User clicks on “Khắc phục” button. | 1. After step 2, show report details and list of damaged equipment category in classroom “501”. 2. After step 4, show message: “Bạn muốn khắc phục tất cả hư hại phòng 501”. 3. After step 5, comeback list report page. |  |  |  |  |
| CRM4 | User with role is staff resolve room. But there are no euipment is choosen. | 1. User logins with account “Staff” on date: “10/08/2015” 2. User clicks on button “Xem” in classroom “101” 3. User clicks on “Khắc phục” button. 4. User clicks on “Khắc phục” button. | 1. After step 2, show report details and list of damaged equipment category in classroom “101” 2. After step 3, show message: “Bạn muốn khắc phục hư hại phòng 101”. 3. After step 4, show message: “Bạn cần chọn ít nhất 1 thiết bị!” | N/A | Passed | 10/8/2015 |  |

* 1. **Change Room**

**5.3.2 Resovle Report With Web Application**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Case Description** | **Test Case Procedure** | **Expected output** | **Inter-test Case Dependence** | **Result** | **Test Date** | **Note** |
| CRM1 | User with role is staff, change room affect to other teacher have schedule in room. | 1. User logins with account “Staff” on date: “10/08/2015” at time: “09:08 am”. 2. User clicks on button “Xem” in classroom “210” 3. User click on ”Đổi phòng” button 4. User choose room “406” in list room. 5. User clicks on “Đổi phòng” button. | 1. After step 2, show report details and list of damaged equipment category in classroom “210”. 2. After step 3, show change room form 3. After step 5, show message: “Đổi phòng thành công”, and account TaiNT recevice SMS: “Bạn được đổi phòng sang 406 vào tiết: 10h30”. | N/A | Passed | 10/8/2015 |  |
| CRM2 | User with role is staff, change room but room haven’t schedule in day. | 1. User logins with account “Staff” on date: “10/08/2015” 2. User clicks on button “Xem” in classroom “105” | 1. After step 2, show report details and list of damaged equipment category in classroom “105”.  * “Đổi phòng” button is hidden * Message: “Phòng hiện đang trống”. | N/A | Passed | 10/8/2015 |  |