# Testing Report

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| Description | The human resources information system operates within the SOE in the school desktop machine which run Windows 8 and Windows 10. |
| Type and Use Case | SWC1 |
| Criteria | 1. HRIS can run within the Dell or Apple products running Windows 8 or Windows 10 which are the standard operating environment (SOE) of the school desktop computer.  2. The system displays information that is consistent with the data in a MySQL database called the school database and works with the existing database. |
| Method | Black box test:  1. Open the GUI application in Windows 8 or Windows 10.  2. Three selections of tab views should be displayed in the surface of the main view including Staff, Unit and Heat Map.  3. Click staff button from main view.  4. The staff list view should be visible.  5. Each filtered item should be optional. |
| Outcome | Pass |
| Method | Black box test:  1. Click unit button from the main view.  2. The unit list view should be visible. |
| Outcome | Pass |
| Method | White box test:  1. Open “School database” in MySQL database.  2. Choose one unit information.  3. Click unit button from the main view.  4. The unit list view should be shown.  5. Compare the unit code and unit title between database and unit list and confirm they are same. |
| Outcome | Pass |

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| Description | The user shall be able to view an interactive list of staff employed by the School. |
| Type and Use Case | Type: SW  Use Case: UC8\_User\_views\_Staff List |
| Criteria | 1. The “Staff” tab should be shown when application start up.  2. The staff list should show the Names of the staffs in the form of “ Family Name, Given Name (Title)” and the staff can be ordered alphabetically by family name and then given name.  3. The staff list should be filtered by the category which includes all staff, academic, technical, administrative, and casual.  4. The staff can be filtered by entering part of a staff member’s name.  5. The list contents would be restricted to show only those staff whose given name or family name contains the text entered by the user, ignoring case. |
| Method | Black box test:  1.Open HRIS.  2.Click “Staff” tab and the staff list view should be visible by alphabetical order.  3. The staff list should be filtered by two ways which are category and name.  5. Click the category and select one of categories.  6. The staff list should be filtered by selected category. |
| Outcome | Pass |
| Method | Black box test:  1. Enter part of a staff’s name in textbox and press enter.  2. The staff name which includes text content should be shown.  3. The staff can be ordered alphabetically by family name and then given name. |
| Outcome | Pass |
| Method | White box test:  1. Enter capital letter in the filter box  2. All staff name which includes text content should be shown, ignoring case.  3. Enter lowercase letter in the filter box  4. All staff name which includes text content should be shown, ignoring case. |
| Outcome | Pass |

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| Description | When the user selects a name in the StaffListView the system will show more details about the staff member, which should include: Name; Campus; Phone Number; Room Location; Email Address; Photo; Consultation hours; Table of units he or she is involved with in the current semester. |
| Type and Use Case | Type: SW  Use Case: UC16\_User\_selects\_StaffDetails |
| Criteria | 1. The staff detail view should contain the basic information of the selected staff including name, campus, phone number, room location, email address, photo, consultation hours and table of units he or she is involved with in the current semester. 2. Selecting a unit code in the table of the unit and the unit timetable view should be displayed. 3. The current availability should be shown in the staff detail view depend on the current status of the selected staff, such as teaching, consulting and free. 4. Activity grid will enhance the staff detail view. |
| Method | Black box test:  1. Click or double click one staff in the staff list  2. confirm the staff information including name, campus, phone number, room location, email address, photo, consultation hours, table of units and availability.  3. Click one unit code.  4. The timetable of selected unit should be shown.  5. Close unit timetable view.  6. The staff detail view will be displayed again. |
| Outcome | Pass |
| Method | White box test:  1. Select one staff in the staff list.  2. Check the availability status of the selected staff.  3. Click unit code in table of unit and check the timetable.  4. Close unit timetable.  5. Click “Activity Grid” button.  6. Check the staff activity.  7. Confirming the availability status are correspond with unit timetable or activity grid. |
| Outcome | Fail (?) – The activity grid cannot display the real data. |
| Method | Black box test:  1. Select one staff in the staff list.  2. Click “Activity Grid” button.  3. The table of selected staff’s activity should be shown.  4. Close activity grid view.  5. The staff detail view will be displayed again. |
| Outcome | Fail (?) – The activity grid cannot display the real data. |

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| Description | Selecting a unit from unit list should bring up a list of classes for that unit, ordered chronologically. |
| Type and Use Case | Type: SW  Use Case: UC24\_User\_selects\_Unit |
| Criteria | 1. The unit detail view should be tabular including following information: day, start and end time in 24-hour format, type (Lecture, Tutorial, Practical, Workshop), room location, campus, staff member.  2. Enter into the staff detail view through a relevant staff member in unit detail view.  3. The unit information can be filtered by campus. |
| Method | Black box test:  1. Select a unit in unit list.  2. The class information should be shown.  3. The table will display day, start and end time, type, room location, campus, staff member.  4. Select one campus in filter area.  5. The classes will be filtered by campus. |
| Outcome | Pass |
| Method | Black box test:  1. Click the relevant staff name in the class table.  2. The staff detail view of selected staff should be display.  3. Close the staff detail view.  4. The unit class table will be display again. |
| Outcome | Pass |
| Method | White box test:  1. Select a unit in unit list.  2. The classes should be ordered chronologically. |
| Outcome | Pass |