**Testing Report**

**Team Name: Group75**

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| Description | When the user selects a name in the list, the researcher details view will be displayed. |
| Type and Use Case | SW UC16\_User\_selects\_Researcher |
| Criteria | 1. ResearcherDetailView displays successfully or not.  2. ResearcherDetailView is adjustable to application window.  3. ResearcherDetailView will show the following basic details, some of which are only available for staff and others only for students: Name (both); Title (both); School/Unit (both); Campus (both); Email (both); Photo (both); Current Job Title (both); Commenced with institution (both); Commenced current position (both); Tenure (both); Publications (both); 3-year Average (staff); Performance (staff); Supervisions (staff); Degree (students); Supervisor (students).  4. Photo is stored as the URL of an image, but must be presented as an image.  5. Current Job Title is a label derived from their current position’s level.  6. Commenced with institution is the start date of their earliest position.  7. Commenced current position is the start date of their current position.  8. Tenure is the time in (fractional) years since the researcher commenced with the institution.  9. 3‐year average is the total number of publications in the previous three whole calendar years, divided by three.  10. Supervisions is the number of students the staff member is currently or has previously supervised.  11. The display should have labels for each piece of information, with the values for 3‐year average, Performance and Supervisions left blank for students, and the values for Degree and Supervisor left blank for staff.  12. When displaying details for a staff member, the Researcher Details view will show that staff member’s performance, which is their three‐year average for publications divided by the expected number of publications given their employment level, expressed as a percentage with one decimal place shown.  13. The expected number of publications per year for each level is as follows: A, 0.5; B, 1; C, 2; D, 3.2; E, 4. |
| Method | White box testing 1.  Click a researcher name shown in the ResearcherListView, and check if ResearcherDetailView displays 17 items (including PublicationsListView), and check if the photo is displayed in the ResearcherDetailView.  Compare the showing items in ResearcherDetailView with data in database to see if all is correct.  Adjust window size to the smallest and to the biggest, and check ResearcherDetailView to see if it adjusts properly. |
| Outcome |  |
| Method | White box testing 2.  Click a researcher with current level A in ResearcherListView, check if the Current Job Title is Postdoc, if Commenced with Institution is calculated from the start date of the earliest position, if Commenced with current position is calculated from the start date of current position, if Tenure is calculated since Commenced with the institution in fractional form, and compare all the items with the data in database to see if all is correct.  Click a researcher with current level B in ResearcherListView, check if the Current Job Title is Lecturer, if Commenced with Institution is calculated from the start date of the earliest position, if Commenced with current position is calculated from the start date of current position, if Tenure is calculated since Commenced with the institution in fractional form, and compare all the items with the data in database to see if all is correct.  Click a researcher with current level C in ResearcherListView, check if the Current Job Title is Senior Lecturer, if Commenced with Institution is calculated from the start date of the earliest position, if Commenced with current position is calculated from the start date of current position, if Tenure is calculated since Commenced with the institution in fractional form, and compare all the items with the data in database to see if all is correct.  Click a researcher with current level D in ResearcherListView, check if the Current Job Title is Associate Professor, if Commenced with Institution is calculated from the start date of the earliest position, if Commenced with current position is calculated from the start date of current position, if Tenure is calculated since Commenced with the institution in fractional form, and compare all the items with the data in database to see if all is correct.  Click a researcher with current level E in ResearcherListView, check if the Current Job Title is Professor, if Commenced with Institution is calculated from the start date of the earliest position, if Commenced with current position is calculated from the start date of current position, if Tenure is calculated since Commenced with the institution in fractional form, and compare all the items with the data in database to see if all is correct.  Click a researcher with current level Student in ResearcherListView, check if the Current Job Title is Student, if Commenced with Institution is calculated from the start date of the earliest position, if Commenced with current position is calculated from the start date of current position, if Tenure is calculated since Commenced with the institution in fractional form, and compare all the items with the data in database to see if all is correct. |
| Outcome |  |
| Method | White box testing 3.  Click a staff name in ResearcherListView position level A, check if 3-year average, Performance and Supervisions are displayed with data, check if Degree and Supervisor items are blank, check if 3-year average is the total number of publication in last 3 years, divided by 3, in fractional format, check if Performance is displayed in percentage form and equals to 3-year average/0.5, check if Supervision is the total number of supervising students including all current and previous students, and compare all the items with the data in database to see if all is correct.  Click a staff name in ResearcherListView position level B, check if 3-year average, Performance and Supervisions are displayed with data, check if Degree and Supervisor items are blank, check if 3-year average is the total number of publication in last 3 years, divided by 3, in fractional format, check if Performance is displayed in percentage form and equals to 3-year average/1, check if Supervision is the total number of supervising students including all current and previous students, and compare all the items with the data in database to see if all is correct.  Click a staff name in ResearcherListView position level C, check if 3-year average, Performance and Supervisions are displayed with data, check if Degree and Supervisor items are blank, check if 3-year average is the total number of publication in last 3 years, divided by 3, in fractional format, check if Performance is displayed in percentage form and equals to 3-year average/2, check if Supervision is the total number of supervising students including all current and previous students, and compare all the items with the data in database to see if all is correct.  Click a staff name in ResearcherListView position level D, check if 3-year average, Performance and Supervisions are displayed with data, check if Degree and Supervisor items are blank, check if 3-year average is the total number of publication in last 3 years, divided by 3, in fractional format, check if Performance is displayed in percentage form and equals to 3-year average/3.2, check if Supervision is the total number of supervising students including all current and previous students, and compare all the items with the data in database to see if all is correct.  Click a staff name in ResearcherListView position level E, check if 3-year average, Performance and Supervisions are displayed with data, check if Degree and Supervisor items are blank, check if 3-year average is the total number of publication in last 3 years, divided by 3, in fractional format, check if Performance is displayed in percentage form and equals to 3-year average/4, check if Supervision is the total number of supervising students including all current and previous students, and compare all the items with the data in database to see if all is correct.  Click a student name in ResearcherListView, check if 3-year average, Performance and Supervisions are blank, and check if Degree and Supervisor items are displayed with data, and compare all the items with the data in database to see if all is correct. |
| Outcome |  |
| Method | Black box testing.  Click any name shown in the ResearcherListView, and monitor.  Compare the information shown in the ResearcherDetailView with the relevant data in database to see if all is correct.  Click all the buttons shown in the ResearcherDetailView, and monitor.  Adjust the size of application window, and monitor.  If the researcher is staff, check if Degree and Supervisor is blank, and 3-year average, Performance and Supervisions are filled with correct data.  If the researcher is student, Check if Degree and Supervisor are filled with correct data, and 3-year average, Performance and Supervisions are blank. |
| Outcome |  |
| Method | Black box testing.  Click any name shown in the ResearcherListView, and monitor.  Compare the information shown in the ResearcherDetailView with the relevant data in database to see if all is correct.  Click all the buttons shown in the ResearcherDetailView, and monitor.  Adjust the size of application window, and monitor.  If the researcher is staff, check if Degree and Supervisor is blank, and 3-year average, Performance and Supervisions are filled with correct data.  If the researcher is student, Check if Degree and Supervisor are filled with correct data, and 3-year average, Performance and Supervisions are blank. |
| Outcome |  |
| Method | Black box testing.  Click any name shown in the ResearcherListView, and monitor.  Compare the information shown in the ResearcherDetailView with the relevant data in database to see if all is correct.  Click all the buttons shown in the ResearcherDetailView, and monitor.  Adjust the size of application window, and monitor.  If the researcher is staff, check if Degree and Supervisor is blank, and 3-year average, Performance and Supervisions are filled with correct data.  If the researcher is student, Check if Degree and Supervisor are filled with correct data, and 3-year average, Performance and Supervisions are blank. |
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