*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story #**907**

**Team Member:**

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**Product Owner(s)**:

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**Mentor(s)**:

NA

**Instructor**: Masoud Sadjadi

**User Story** Create HTML/PHP database query page for website

* As a developer, I have to implement a database query page for the current website so administrator can see what is in the database

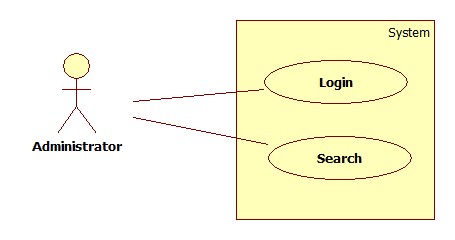
Acceptance Criteria

* Database query page is implemented

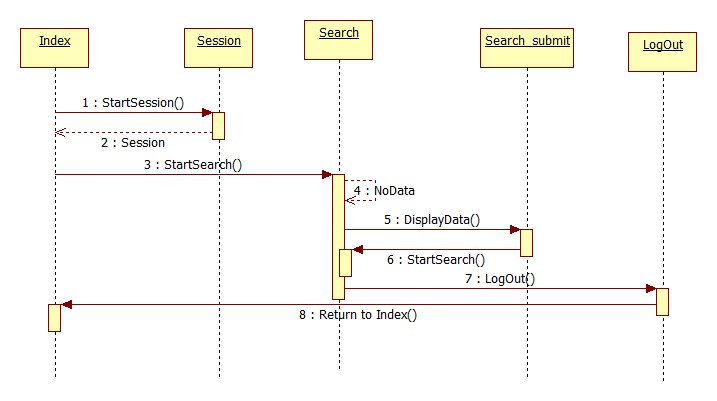
**Use Case** #**900 –** Create HTML/PHP database query page for website

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| **Name** | **Search for staff** |
| **Brief Description** | **The Search for staff use case allows the administrator to search the information stored in the database filtering by criteria** |
| **Actor(s)** | **Administrator** |
| **Flow of Events** | |
| **Basic Flow** | |
| **This use case starts when the Administrator accesses the system feature that enables him/her to query the database.**  **1. The Administrator enter his username and password to log in**  **1. The Administrator fill the criteria fields and press Enter**  **2. The system displays a page with all the registered staffs that satisfy the criteria**  ***3.* The use case ends** | |
| **Alternate Flows** | |
| **Title** | **Description** |
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| **Pre-Conditions** | |
| **Title** | **Description** |
| **There exist registered staffs** | **There exist registered staffs in the database** |
| **Post-Conditions** | |
| **Title** | **Description** |
| **Success** | **The System displays the information requested** |
| **No data** | **The system displays a message that says that no data matches the criteria** |
| **Extension Points** | |
| **None** | |

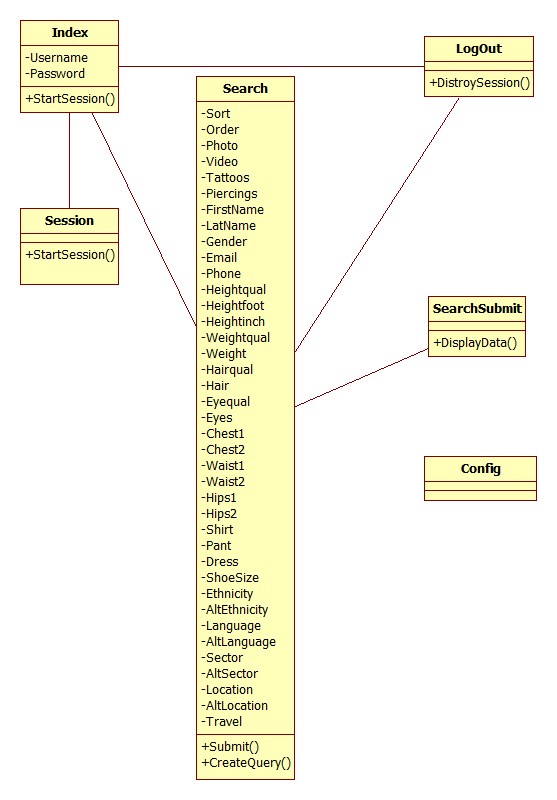
**Use Case Diagram**



**Sequence Diagram**



**Class Diagram**



**Unit Test**

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| **Test ID: UT-018** |
| **Purpose: Test that the Config.php class connects to the database** |
| **Preconditions: Application is running** |
| **Input: Username: daylin; Password: password** |
| **Expected Output: The Search page is shown** |

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| **Test ID: UT-019** |
| **Purpose: Test that the Session.php class creates a session after validating username and password** |
| **Preconditions: Application is running and user enters username and password** |
| **Input: Username: daylin; Password: password** |
| **Expected Output: The Search page is shown showing the name of the user** |

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| **Test ID: UT-020** |
| **Purpose: Test that the Index page validates the username and password** |
| **Preconditions: Application is running** |
| **Input: Username: daylin; Password: password** |
| **Expected Output: The Search page is shown with the name of the user** |

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| **Test ID: UT-021** |
| **Purpose: Test that the Index page validates the username and password** |
| **Preconditions: Application is running** |
| **Input: Username: daylin123; Password: password** |
| **Expected Output: The Index page shows a message "Your Login Name or Password is invalid"** |

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| **Test ID: UT-022** |
| **Purpose: Test that the CreateQuery function of the Search page validates creates the correct query** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: First Name; Order: Ascending; First Name: “”; Last Name: Gonzalez; Gender: Either; Has Photo: “”; Has Video: “”; No Tattoos: “”; No Piercings: “”; Email: “”; Phone: “”; Height: at most “”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “”; Promotional Sectors: “”; Locations: “”; Will Travel: Yes}** |
| **Expected Output: "SELECT \* FROM registered\_staff WHERE lastName = \'gonzalez\' and travel = \'Yes\' ORDER BY firstName ASC"** |

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| **Test ID: UT-023** |
| **Purpose: Test that the CreateQuery function of the Search page validates creates the correct query** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: First Name; Order: Descending; First Name: “Daylin”; Last Name: Gonzalez; Gender: Either; Has Photo: Yes; Has Video: “”; No Tattoos: “”; No Piercings: “Yes”; Email: “”; Phone: “”; Height: at most “”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “Spanish”; Promotional Sectors: “”; Locations: “”; Will Travel: “”}** |
| **Expected Output: "SELECT \* FROM registered\_staff WHERE firstName = \'Daylin\' and lastName = \'Gonzalez\' and imageName != \'null\' and piercings = \'no\' and (nativeLanguage = \'Spanish\' or secondLanguage = \'Spanish\' or thirdLanguage = \'Spanish\') ORDER BY firstName DESC"** |

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| **Test ID: UT-024** |
| **Purpose: Test that the CreateQuery function of the Search page validates creates the correct query** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: Last Name; Order: Descending; First Name: “”; Last Name: “”; Gender: Female; Has Photo: Yes; Has Video: Yes; No Tattoos: “”; No Piercings: “Yes”; Email: “”; Phone: “”; Height: at most 5’6”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “Spanish”; Promotional Sectors: DJ; Locations: Kansas; Will Travel: “”}** |
| **Expected Output: "SELECT \* FROM registered\_staff WHERE gender = \'Female\' and imageName != \'null\' and videoName != \'null\' and piercings = \'no\' and height <=5.6 and height > 0.0 and (nativeLanguage = \'Spanish\' or secondLanguage = \'Spanish\' or thirdLanguage = \'Spanish\') and staffType = \'DJ\' and state = \'KS\' ORDER BY lastName DESC"** |

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| **Test ID: UT-025** |
| **Purpose: Test that the Search page shows a message when no data matches the criteria** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: Last Name; Order: Descending; First Name: “”; Last Name: “”; Gender: Female; Has Photo: Yes; Has Video: Yes; No Tattoos: “”; No Piercings: “Yes”; Email: “”; Phone: “”; Height: at most 5’6”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “Spanish”; Promotional Sectors: DJ; Locations: Kansas; Will Travel: “”}** |
| **Expected Output: “No data matches the criteria”** |

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| **Test ID: UT-026** |
| **Purpose: Test that the LogOut page destroys the session** |
| **Preconditions: Application is running, user presses Sign Out link** |
| **Input:** |
| **Expected Output: Index page is shown** |

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| **Test ID: UT-027** |
| **Purpose: Test that the Search\_Submit page shows the data retrieved** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: First Name; Order: Ascending; First Name: “”; Last Name: “”; Gender: Either; Has Photo: “”; Has Video: “”; No Tattoos: “”; No Piercings: “”; Email: “”; Phone: “”; Height: at most “”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “”; Promotional Sectors: “”; Locations: “”; Will Travel: Yes}** |
| **Expected Output: System shows all the data** |

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| **Test ID: UT-028** |
| **Purpose: Test that the Search\_Submit page shows the data retrieved** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: First Name; Order: Ascending; First Name: “”; Last Name: “Gonzalez”; Gender: Either; Has Photo: “”; Has Video: “”; No Tattoos: “”; No Piercings: “”; Email: “”; Phone: “”; Height: at most “”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “”; Promotional Sectors: “”; Locations: “”; Will Travel: Yes}** |
| **Expected Output: System shows all the data with Last Name = Gonzalez in descending order of First Name** |

**Integration Test**

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| **Test ID: IT-006** |
| **Purpose: Verify whether the user is able to log in** |
| **Preconditions: Application is running, user enters username and password press Submit** |
| **Input: Username: daylin; Password: password** |
| **Expected Output: The Search page is shown with the name of the user** |

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| **Test ID: IT-007** |
| **Purpose: Verify whether the user is able to search the database using criteria** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: Last Name; Order: Ascending; First Name: “”; Last Name: “”; Gender: “”; Has Photo: “”; Has Video: “”; No Tattoos: “”; No Piercings: “”; Email: “”; Phone: “”; Height: at most “”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “”; Promotional Sectors: “”; Locations: “”; Will Travel: “”}** |
| **Expected Output: System shows all the data** |

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| **Test ID: IT-008** |
| **Purpose: Verify whether the user is able to search the database using criteria** |
| **Preconditions: Application is running, user enters data and press Submit** |
| **Input: {Sort By: Last Name; Order: Ascending; First Name: “”; Last Name: “”; Gender: Female; Has Photo: Yes; Has Video: Yes; No Tattoos: “”; No Piercings: Yes; Email: “”; Phone: “”; Height: at most “”; Weight: at most “”; Hair Color: is SELECT; Eye Color: is SELECT; Chest: “”-””; Waist: “”-””; Hips: “”-””; Shirt Size: SELECT; Pant Size: SELECT; Dress Size: SELECT; Shoe Size: SELECT; Ethnicity: “”; Languages: “”; Promotional Sectors: “”; Locations: FL; Will Travel: “”}** |
| **Expected Output: System shows all the data with Gender = Female, Has Photo = Yes, Has Video: Yes, No Piercings: Yes, Locations: FL** |

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| **Test ID: IT-009** |
| **Purpose: Verify whether the user is able to log out** |
| **Preconditions: Application is running, user logged in press Sign Out** |
| **Input:** |
| **Expected Output: The index page is shown** |

**Visual User Guide**

