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| **Use Case Number** | UC01 | |
| **Use Case Name** | User Authentication | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User Enters their username and password    **Step3:** User click’s the log-in button | **Step1:** User displays log in page          **Step4:** System display weather station page |
| **Alternate Flow** | 1. At **Step3:**  If the username and password did not match | System’s display’s a message |
| **Precondition** | User must have an account linked to WAMS | |
| **Post condition** | User was able to login to the system | |

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| **Use Case Number** | UC02 | |
| **Use Case Name** | User Registration | |
| **Actor(s)** | Admin | |
| **Basic Flow** | Actor Action | System Response |
| **Step2:** User enters the correct fields and data    **Step3:** User select account access level  **Steo4:** User clicks the submit button | **Step 1:** User display registration pages          **Step4:** System returns user to home page |
| **Alternate Flow** | 1. At **Step4:**  If the data which was inputted does not match the required data type  2. At **Step4**:  If the data in the form is incomplete | System’s display’s error message (EM1)  System display require message (EM2) |
| **Precondition** | User must have an Admin account | |
| **Post condition** | Admin was able to create user | |

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| **Use Case Number** | UC03 | |
| **Use Case Name** | User clicks About Page | |
| **Actor(s)** | Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks about page in navigation bar | **Step2:**  System displays about page |
| **Alternate Flow** | 1. At **Step4:**  If about page is broken or is not directed | System’s display’s error message (EM3) |
| **Precondition** | User must access the site | |
| **Post condition** | User was able to access about page | |

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| **Use Case Number** | UC04 | |
| **Use Case Name** | User clicks Contact Page | |
| **Actor(s)** | Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks contact page in navigation bar | **Step2:**  System displays contact page |
| **Alternate Flow** | 1. At **Step4:**  If contact page is broken or is not directed | System’s display’s error message (EM3) |
| **Precondition** | User must access the site | |
| **Post condition** | User was able to access contact page | |

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| **Use Case Number** | UC05 | |
| **Use Case Name** | User inquiry | |
| **Actor(s)** | Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks contact page in navigation bar    **Step3:** User enters the fields that are presented in the contact page  **Step4:** User enters given captcha | **Step2:**  System displays contact page      **Step5:** System sends the inquiry  **Step6:** System redirects |
| **Alternate Flow** | 1. At **Step3:**  If data entered is not following specific data type  **2.** At **Step4:**  If captcha entered is wrong | System’s display’s error message (EM4)  System’s display “entered wrong captcha” |
| **Precondition** | User must access the site | |
| **Post condition** | User is able to send inquiry | |

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| **Use Case Number** | UC06 | |
| **Use Case Name** | User clicks Service Report Page | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks on service report page | **Step2:**  System displays service report page |
| **Alternate Flow** | 1. At **Step1:**  If user is not logged in | System’s displays error message (EM5) |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access service report page | |

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| **Use Case Number** | UC07 | |
| **Use Case Name** | User clicks Weather Station Page | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks Weather Station page link on navigation bar | **Step2:**  System displays weather station page |
| **Alternate Flow** | 1. At **Step1:**  If user is not logged in | System’s displays error message (EM5) |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access weather station page | |

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| **Use Case Number** | UC07 | |
| **Use Case Name** | User clicks Weather Station Page | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks Weather Station page link on navigation bar | **Step2:**  System displays weather station page |
| **Alternate Flow** | 1. At **Step1:**  If user is not logged in | System’s displays error message (EM5) |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access weather station page | |

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| **Use Case Number** | UC08 | |
| **Use Case Name** | User clicks Privilege Management Page | |
| **Actor(s)** | Admin | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks Privilege Management page | **Step2:**  System displays Privilege Management page |
| **Alternate Flow** | 1. At **Step1:**  If user is not logged in | System’s displays error message (EM5) |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access privilege management page | |

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| **Use Case Number** | UC09 | |
| **Use Case Name** | User clicks Event Calendar | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks Event Calendar page | **Step2:**  System displays Event Calendar page |
| **Alternate Flow** | 1. At **Step1:**  If user is not logged in | System’s displays error message (EM5) |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access event calendar page | |

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| **Use Case Number** | UC10 | |
| **Use Case Name** | User creates Service Report | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks Event Calendar page  **Step3:** User enters the data fields  **Step4:** User pushes submit button | **Step2:**  System displays Event Calendar page      **Step5:** System submits created record to database |
| **Alternate Flow** | 1. At **Step1:**  If Event page doesn’t show or if it is broken  2. At **Step1:**  If user is not logged in  3. At **Step3:**  If user enters wrong data in fields  4. At **Step4:**  If user pushes submit button with missing fields | System’s displays error message (EM3)  System’s displays error message (EM5)  System’s display’s error message (EM4)  System display require message (EM2) |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access event calendar page | |

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| **Use Case Number** | UC11 | |
| **Use Case Name** | User searches for a Service Report | |
| **Actor(s)** | Admin, Technician | |
| **Basic Flow** | Actor Action | System Response |
| **Step1:** User clicks Service Report page  **Step3:** User enters keyword for search query | **Step2:**  System displays Event Calendar page    **Step4:** System displays record(s) that contains the specific keyword |
| **Alternate Flow** | 1. At **Step1:**  If Event page doesn’t show or if it is broken  2. At **Step1:**  If user is not logged in  3. At **Step3:**  If user entered keyword does not contain in any record that exist | System’s displays error message (EM3)  System’s displays error message (EM5)  System doesn’t display any record |
| **Precondition** | User must have an account | |
| **Post condition** | User was able to access service report page; User was able to determine if record does exist or not; User is presented with a record with the specific keyword in it | |