

Use Case

Title:	Use Case
Description:	This Use case describes the what is needed in the software to work. It also describes how the software should work when the users are interacting with the software.
Primary Actor:	Data collectors, Data scientist
Preconditions:	[Describe the state the system is in before the first event in this use case.] <ul style="list-style-type: none">Files must be in either XML Format of JSON FormatEach study must have a Study Name, and a Unique IDUser must be using a Mac OS or Windows OSImported files have no bugs
Postconditions:	[Describe the state the system is in after all the events in this use case have taken place.] <ul style="list-style-type: none">The data must be exported to a new file in either XML or JOSN formats.All the exported data must be saved after the program has stopped collecting data.Program must save all data even after closing the programUser is able to add new studies to imported filesUser must be able to see all current studies inside the graphical interfaceUser is able to find and open exported files without any bugs
Main Success Scenario:	User is able to import files in XML and JSON formatted files Option 1 <ol style="list-style-type: none">User imports a new reading by click on the import button on the application.To add new readings to your imported file type in your Site ID and then click on "Add Site" buttonUser will see your site Id added to the Stopped Collections, It will remain until you are ready to add other dataWhen user is ready to add data type to a specific Site: type in the Site id number in the Site ID box and click the "Start Button"This should move the Site ID to the Collections in Progress box. Now the user can add their dataAfter the user has filled out the information needed, click on "Add Reading". This will save user data.To check if the information the user has added is correct click on "Show All Readings"When Done Click on the "Stop" buttonExport data by clicking on the "Export" button on the top left Option 2 without importing any studies <ol style="list-style-type: none">add new readings to your imported file type in your Site ID and then click on "Add Site" buttonUser will see the site ID added to the Stopped Collections, it will remain until the user is ready to add other dataWhen ready to add data type to a specific Site: user should type in the Site id number in the Site ID box and click the "Start Button"This will move the Site ID to the Collections in Progress box. Now the user can add their dataAfter the user has filled out the information needed, they click on "Add Reading". This will save their data.To check if the information the user has added is correct click on "Show All Readings"When Done Click on the "Stop" buttonTo export data, click on the "Export" button on the top left

	9. User should find their exported files and be able to find it and open it.
Extensions:	<ul style="list-style-type: none">• If the imported files have bugs, they must be dealt with in the reading class• If the imported file is not in the approved formats it will be rejected at the importing step
Frequency of Use:	[How often will this use case be used?]

Requirements:

- Import JSON files containing readings and site IDs
- import XML files containing readings and site IDs
- reject incomplete data from import and prompt user that some data has not been imported
- add/remove a up to 4 studies
- Show a complete list of site IDs for each study
- start/stop site collections
- reject readings entered on sites not taking collection
- show a complete list of readings for each site
- add new site to a study
- add new reading to a site
- export all data to JSON file
- GUI for user to interact with the data