**Weradiate plugin document**

**Login.html:**

1)Populates the login window in dialogue box and in this file define text boxes releted css

2)User click submit **ok** button then goes to **sendData()** function and this function read text box value then that values send as parameter in **loginRequest()** function

**Main.js:**

1)Initializes the html file and that functions

2) **manageConnection()** function display login dialogue box

3)In that file **loginRequest()**  function send request to server and get responsed data

4)**Getdata()** function check user status then display **get-data.html** file

5) **queryData()** function gets data from get-data.html then call the template and initialize that

6) **refreshSheet()** clear the data from spreadsheet

7)**about()** displays the about page dialogue box

**Apireuest.js:**

It’s used for communicate with server and send request to server and gets response

**Get-data.html:**

1. Populates the get-data window in dialogue box and define necessary html tags
2. User click submit button that time call **senddata()** method
3. **Senddata()** method read value from user then send as parameter in **querydata()** method in main.js

**Get-data.jquery.hmtl:**

This file contains jquery source link for get-data.html.

**Get-data-style.html:**

This files contains css property for get-data.html.

**Openclienthandler.js:**

This file handle the client information

**weradiate\_DT\_initClient():**

This function stores the From Date, To date, Aggregator, Template,Reference Line Values in the Document property

**weradiate\_DT\_openClientHandler():**

This function get the client information and create object for that client.

**weradiate\_DT\_getToken():**

This function return the token.

**Data-utility-function.js:**

This file used for comparing date and checks that format .

**Chart.js:**

Chart.js used for display the charts in spreadsheet

**weradiate\_DT\_createEmbeddedLineChart()** provides the chart representation for request data

**Notify.js**

This file is used for alert model box.

1. errorMsg() function used for display the error message
2. alertMsg() function userd for diplay the alert message
3. logMsg() function used for receives the log message and shows up

**DEC\_template.js:**

1)i) DEC Report - Displays all location (sensor) data in a Sheet   
 ii) Cumulative Chart.- Plots a cumulative chart representation and displays in another Sheet

2) **weradiate\_DT\_init\_DEC\_template()** function populates the data in spread sheet

3) **weradiate\_DT\_Fillcontents\_DEC\_template()** function fill the data contents in spreadsheet

4) **weradiate\_DT\_plot\_chart\_DEC\_report()** function fill the chart contents in spread sheet

**model1\_template.js:**

1. Each Sheet has location (sensors) data and respective charts plotted, and N Sheets for N number of locations available in the Client.
2. **weradiate\_DT\_init\_model1template()** function populates the data in spread sheet
3. **weradiate\_DT\_Fillcontents\_Model1 ()** function fill the data contents in spreadsheet
4. **weradiate\_DT\_plot\_chart\_model1 ()** function fill the chart contents in spread sheet

**template\_model2.js:**

1)First Sheet displays all the location (sensor) data and chart representation for each sensor (Site specific) provided in separate sheets and cumulative chart representation of all sensors in the last Sheet.

2) **weradiate\_DT\_init\_template2 ()** function populates the data in spread sheet

3) **weradiate\_DT\_plot\_sites ()** function plots the cumulative representation for the data in a separate sheet

4) **weradiate\_DT\_plot\_chart\_template2()** function is called to plot chart for the each sensor in the spreadsheet.

**template\_model3.js:**

1)Displays sensor data and its chart representation in a Sheet (Pile specific), N Sheets for N Piles available in the Site.

2) **weradiate\_DT\_init\_template3()** function populates the data in spread sheet

3) **weradiate\_DT\_plot\_chart\_template3()** function fill the chart contents in spread sheet

**Refresh:**

1. On clicking **Refresh** menu, the Current Workbook will be deleted and adds a New Active Workbook.   
 2. There will be an Alert message to save the Workbook before attempting to refresh the Sheets.

About:

**About** menu displays the Product Name, Version and Website Information.