User Stories (Inception)

ID	Person	Want to	So that
1	As a calibration physicist	I want to view the client's information (e.g Name, Address, Job number) and also relevant information about their dosimeter (e.g chambers ID, serial number, model)	so that I can know which dosimeter belongs to which client
2	As a calibration physicist	I want to have visualizations(e.g graph, table of analysis results) *Visualization must be scalable *Visualization (can be) interactive (hoovering over data points show insightful information) *Types of Visualization 1. N vs E_eff/ KeV 2. [R2 (273.15+TS2)] / (273.15 + TM2) -> per beam quality 3. Maybe more next time	so that I can know the quality of the machine (dosimeter).
3	As a calibration physicist	I want to select 1 or more pairs of data files(Client.csv, Lab.csv) *Note that three beam qualities will be calculated twice, and the second set of calculations has to be denoted with an asterisk.	so that I can do the analysis subsequently.
4	As a calibration physicist	I want to upload and select a set of data files from a local drive and store them in a database (or a structure of the team's choice)	so that I can retrieve those data for viewing raw data /calculation/analysis in the future.
5	As a calibration physicist	I want to display the total of runs per CAL number	so that I can include or exclude runs for analysis or generating reports
6	As a calibration physicist	I want to output 1 set of results (document)	so that I can see the result of the analysis
7	As a calibration physicist	I want to generate a PDF file with relevant information about the client and their dosimeter *Results in PDF are the average of all selected runs. Users will be able to select how many runs to be used for the report *There is no need to indicate how many runs were selected in the actual report. It is sufficient to show the average value.	so that the client can directly send the PDF to his clients
8	As a calibration physicist	I want to generate a DCC (.xml) file according to international standards which will contain relevant information about the client and their dosimeter	so that the client can use it for future processing and both machines and humans understand it
9	As a calibration physicist	I want to be able to calculate the calibration coefficient after submitting the two raw data excel files (client.csv and lab.csv)	so that the client can use the coefficient to perform other types of analysis and comparisons
10	As a calibration physicist	I want to have an installation and operation manual	so that I can use/install the software product smoothly
11	As a calibration physicist	I want to have tables and graphs after selecting which run(s) to be included in the PDF report *Visualization must be scalable *Visualization (can be) interactive (hoovering over data points show insightful information)	so that I can know how the result differs with different run(s)