User Stories

A tabulated list of user stories, with rough difficulty estimates (story point estimate).

Complete | Incomplete

ID	User	Story	Story Point Estimate
01	Auditor	I want parameter values to be output when running the program, as a csv	5
02	Auditor	I also want each parameter value to be evaluated with a pass/fail result and recorded in the csv output	13
03	Auditor	I want the value acceptance ranges to be output in the csv as well	2
04	Auditor	I want the range of acceptable values will be modified depending on the file	5
05	Auditor	I want to be able to specify the case of the files I'm processing (necessary if partial parameter extraction)	5
06	Auditor	I want to be able to process batches of dicoms at a time	5
07	Auditor	(Parameter) I want to know the angle of the machine gantry,	3
08	Auditor	(Parameter) I want to know the angle of the beam limiting device (aka collimator)	3
09	Auditor	(Parameter) I want to know the SSD (source to skin distance)	3
10	Auditor	(Parameter) I want to know the total amount of radiation dose planned(aka prescription dose/#)	3
11	Auditor	(Parameter) I want to know the number of fractions the dose will be split up into(combined with prescription dose, 50/25 means 50 dose 25 fractions)	3
12	Auditor	(Parameter) I want to know the wedge angle(s)	5
13	Auditor	(Parameter) I want to know the machine energy(doesn't need to be evaluated)	3
14	Auditor	(Parameter) I want to know the fluence mode of the radiation beams(attached to energy)	8
15	Auditor	(Parameter) I want to know the field size of the radiation beam	5
16	Auditor	(Parameter) I want to know the modality of treatment [imrt, vmat, 3dcrt, dcat, tomo, f-cone, hyp-arc, g-knife]	8
17	Auditor	(Parameter) I want to know the isocenter point (i.e. where the gantry, collimator and couch axis align)	10
18	Auditor	(Parameter) I want to know the supplementary parameters of prescription point (information used to determine presc. point)	8
19	Auditor	(Parameter) I want to know the prescription point(i.e. where the radiation dose will be applied) using its supplementary information	10
20	Auditor	(Parameter) I want to know the supplementary parameters of override (information used to determine override)	8
21	Auditor	(Parameter) I want to know the override (??) using its supplementary information	10
22	Auditor	(Parameter) I want to know the supplementary parameters of measuring points/beam names (information used to determine meas points)	8
23	Auditor	(Parameter) I want to know the measuring points/beam names (??) using its supplementary information	10
24	Auditor	(Parameter) I want to know the supplementary parameters of the couch (information used to determine couch)	8
25	Auditor	(Parameter) I want to know the the setting of the machine couch using its supplementary information	10
26	Auditor	(Parameter) It would be useful to also find the value of the meterset	3
27	Auditor	It would be nice if there was a graphical user interface (but lower priority than parameters)	20

Notes on completed stories
Some gotchas and potential future development work that could still be put into the completed stories.

ID	Story	Notes
04	I want the range of acceptable values will be modified depending on the file	Development was done mostly with the level 3 truth table in mind. Although new truth tables can be specified and used to compare with the extracted data, it will still require additional changes in the code to format the extracted data to match the format of the truth table values. e.g. lvl2 table wedge angle has "30 Heel RT" , but the current code only ever extracts wedge as numbers or "no wedge".
05	I want to be able to specify the case of the files I'm processing (necessary if partial parameter extraction)	The case input could be removed after all parameters are found because they will uniquely identify which case a plan dicom is.
07	(Parameter) I want to know the angle of the machine gantry,	Extracts a large array for VMAT files. Better way to handle it?

09	(Parameter) I want to know the SSD (source to skin distance)	Extracts a large array for VMAT files.
10	(Parameter) I want to know the total amount of radiation dose planned (aka prescription dose/#)	The units of this parameter are MU more than we expected?
15	(Parameter) I want to know the field size of the radiation beam	Does not extract when there is a MLC. MLC shows up in surprisingly many dicoms?
16	(Parameter) I want to know the modality of treatment [imrt, vmat, 3dcrt, dcat, tomo, f-cone, hyp-arc, g-knife]	Currently, the modality is only extracted for cases 6,7,8 and returns IMRT or VMAT (excludes TOMO).