

Tasks

Version: 1

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Tasks

User Story	Task Description	Story Points	Dependencies
U1	T1: Develop the database model to store the iCare information <ul style="list-style-type: none">• Setup a sandbox MongoDB database on a cloud service	2	
U2	T2: Design the base JSON template system <ul style="list-style-type: none">• Make a base system that loads the templates into JSONObject objects	3	
U3	T3: Develop the template system implementation for the iCare data templates <ul style="list-style-type: none">• Go through all the iCare template types and build the basic mapping JSON mapping structure	2	T2
U4	T4: Design a data-object for representing the information from the	5	

	iCare datasheets <ul style="list-style-type: none"> Use the JSON format to make an object representation of the data parsed from the iCare templates 		
	T5: Implement the parser using the template system (T3) for the iCare datasheets which is stored into the data-object from T4 <ul style="list-style-type: none"> Takes the JSON mapping files from T3 and goes through each row in a populated iCare excel file and “fills in” the data into the JSON structure 	5	T3, T4
U5	T6: Implement the feature that inputs the populated data-object with the iCare data and saves it into the database <ul style="list-style-type: none"> The basic database interface that puts JSONObjects into the MongoDB that was setup earlier 	5	T4
U6	T7: Design a base system that all report types will function on <ul style="list-style-type: none"> Use the template base class to make a template manager for the report system 	5	
	T8: Implement a base template system that all report types will function on <ul style="list-style-type: none"> Use pre-made excel files with different chart types, inject data into them and save them as new files 	3	T2
U7	T9: Develop a report type similar to what the iCare reports look like <ul style="list-style-type: none"> Use the report system from T7 to start making customized presets that looks similar to the reports iCare makes 	5	T7, T8
	T10: Develop a report type that uses graphics to plot data (i.e. scatterplots, bar charts, etc) <ul style="list-style-type: none"> Use the report system from T7 to start making customized presets that use graphical charts from Excel 	5	T7, T8
U8	T11: Design the basic graphical interface for the “uploader” user type. <ul style="list-style-type: none"> Rough-out the interface using Java Swing 	5	
	T12: Implement the interface designed in T7 to work with the parser	4	T5, T6, T7

	and uploader systems (T5 & T6) <ul style="list-style-type: none"> Implement functionality of the interface that was designed in T11 		
U9	T13: Design the basic graphical interface for the “admin” user type <ul style="list-style-type: none"> Rough-out the interface using Java Swing 	5	
	T14: Implement the interface designed in T13 to work with the report system (T9 & T10) <ul style="list-style-type: none"> Implement functionality of the interface that was designed in T13 	5	T9, T10, T13
U10	T15: Implement the iCare template template editor (that’s not a typo by the way) <ul style="list-style-type: none"> Use the template system to implement a graphical editor for the iCare templates 	7	T3, (T11, T13)
U11	T16: Implement the report template editor <ul style="list-style-type: none"> Use the template system and report system to implement a graphical editor for the report templates 	7	T9, T10, (T11, T13)