est													
ase Id Unit to Test	Requirements	Assumptions	Test data	Steps to be executed	Expected result	Actual result	Pass/Fail	Comments					
: rest Loading	Data from a file			4. Dead the file union CVCD and are and 2. Check									
	Reads Grants and Clinical Funding CSV	The file header will not be	GrantsClinicalFunding_	 Read the file using CVSReader and 2. Check if the header is not empty. If the header is not 	The header will not be								
1-1 CSVReader.cpp	files successfully	empty	sample_sample.csv	empty we know that it has been read correctly		The header was not empty	Pass						
	Daniel Daniel and COV file	The file based on till and be	D	1. Read the file using CVSReader and 2. Check	The best described								
1-2 CSVReader.cpp	Reads Presentations CSV files succesfully	The file header will not be empty	Presentations_sample. csv	if the header is not empty. If the header is not empty we know that it has been read correctly		The header was not empty	Pass						
	·			Read the file using CVSReader and 2. Check									
		The file header will not be	Publications_sample.	if the header is not empty. If the header is not	The header will not be		_						
1-3 CSVReader.cpp	Reads Publications CSV files successfuly	empty	CSV	empty we know that it has been read correctly 1. Read the file using CVSReader and 2. Check	empty	The header was not empty	Pass						
		The file header will not be		if the header is not empty. If the header is not	The header will not be								
1-4 CSVReader.cpp	Reads Teaching CSV files successfuly	empty	Teaching_sample.csv	empty we know that it has been read correctly	empty	The header was not empty	Pass						
1-5 CSVReader.cpp	Does not read in a file that does not exist	The file path we are attempting to load does not exist	"thisfiledoesnotexist.cvs (this file does not exist in the working directory)	are still empty we know that the file was not read. 1. Read the file using CVSReader and 2. Check	The file was not read.	The file was not read. libc++abi.dylib: terminating with uncaught exception of type std::out_of_range:	Pass						
				if the headers are still empty. If the headers are still empty we know that the file was not		basic_string The program has							
1-6 CSVReader.cpp	Does not read in a invalid file type		invaliddata.txt	read.	The file was not read.	unexpectedly finished.	Fail	Fixed Below					
-6 UGFI				Read the file using CVSReader and 2. Check if the headers are still empty. If the headers are still empty we know that the file was not				The previous code was not checking the file extension. Just if the file exists. This means selecting any file other then a .csv crashed the program. This was fixed by checking the file	QString qfile if (!qfile_na return; }	_name = QStrin me.endsWith("c	g::fromUtf8(fil sv")) {	e_name.c_str())	1;
CSVReader.cpp	Does not read in a invalid file type		invaliddata.txt	read.	The file was not read.	The file was not read.	Pass	extension before loading the file					
Test Displayin	g a summary of data												
. ,	Grants data is displayed on screen		GrantsClinicalFunding_ sample_sample.csv	1. Go to the grants tab. 2. Press Load file and select a grants CVS. 3. Load the file and discard any errors.	The summarized data should be displayed for the user to look at	The summerized data was displayed	Pass						
2-2 mainwindow.cpp	Presentations data is displayed on screen		Presentations_sample.	Go to the presentations tab tab. 2. Press Load file and select a presentations CVS. 3. Load the file and discard any errors.	The summarized data should be displayed for the user to look at	The summerized data was displayed	Pass						
	1 recentations data to displayed on sorios.			Go to the publications tab. 2. Press Load file									
2-3 mainwindow.cpp	Publications data is displayed on screen		Publications_sample.	and select a publications CVS. 3. Load the file and discard any errors.	should be displayed for the user to look at	The summerized data was displayed	Pass						
				 Go to the teaching tab. 2. Press Load file and select a teaching CVS. 3. Load the file and 	The summarized data should be displayed for	The summerized data was							
2-4 mainwindow.cpp	Teaching Data is displayed on screen		Teaching_sample.csv	discard any errors.	the user to look at	displayed	Pass						
	g/graphing of data												
	Check that the pie chart is displayed for			For each subject area select pie chart option,	The pie chart will be								
	all four subject areas	Pie charts will be displayed	PieChartWidgit	select a section, see if pie chart is displayed	displayed	The pie chart was displayed	Pass						
	Check that the bar chart is displayed for			For each subject area select bar chart option,	The bar chart will be								
	all four subject areas			select a section, see if pie chart is displayed	displayed	The bar chart was displayed	Pass						
Test dashboa	rd navigation												
4-1 mainwindow.ui	Expand button expands sections and collapse button collapses sections		teachTreeView, pubTreeView, presTreeView, fundTreeView	Load a file. 2. Expand a section in the tree view. 3. Collapse a section on the tree view. Repeat for all 4 file types	The section will expands then collapse	The sections expanded and then collapsed	Pass						
4-2 mainwindow.ui	The user can use the tab bar to navigate to different tabs for each of the 4 subjects. Teaching, Publications, Presentations and Funding		categoryTab	Click on the Grants tab to navigate to it. 2. Click on the Presentations Tab to navigate to it. 3. Click on the presentations tab to navigate to it 4. Click on the teaching tab to navgation tab	You can navigate to all the tabs	You can navigate to all the tabs	Pass						
Test filtering	and sorting data												
			teach_filter_from,		The change in the filter_from box will trigger								
5-1 mainwindow.cpp	Changing a item in the filter_from box filters the data		pub_filter_from, pres_filter_from, fund_filter_from	Change text in the filter_from box. 2. Check if the data has been filtered	a textChanged() event and cause the tree view to be update to reflect the filter	The data was filtered	Pass						
	Chaning an item in the filter_to box		teach_filter_to, pub_filter_to, pres_filter_to,	Change text in the filter_to box 2. Check if	The change in the filter_to box will trigger a textChanged() event and cause the tree view to be								
5-2 mainwindow.cpp	Tilters the data		fund_filter_to	the data has been filtered	update to reflect the filter	rne data was filtered	Pass						

									If you attempt to create a sort with the Start Date first it will tell you you cannot sort by date first. While this is not a bug it is not very user friendly. This should be added to our "improvements" and we should prevent users from					
5-3	customsort.cpp	Allow the user to choose how to sort the data on screen		Teaching_sample.csv	Load a data file. 2. Create a custom sort. 3. Change the sort order to the custom sort	The data will be sorted	The data was sorted	Pass	being able to sort by date first for a future deliverable.					
6: Te	st PDF and F	Print Export												
		Variation and a state of the st		Tarables assessed	1. Load a data file. 2. Select a pie chart. 3.	The chart will be exported	The sheet was a second of	Pass						
0-1	mainwindow.cpp	You can export a pie chart as a pdf		Teaching_sample.csv GrantsClinicalFunding_	Export as a pdf 1. Load a data file. 2. Select a bar chart. 3.	as a pdf The chart will be exported	The chart was exported	PdSS						
6-2	mainwindow.cpp	You can export a bar chart as a pdf		sample.csv	Export as a pdf	as a pdf	The char was exported	Pass	If you export a PDF before					
6-3	mainwindow.cpp	You cannot export a blank pdf		Teaching_sample.csv	Load a data file. 2. Before selecting a chart press the export button.	The program will not let you export a empty pdf	The empty pdf was exported	Fail	selecting a data value you can export a empty PDF. Fixed Below					
0-3	папупиом.срр	rou cannot export a biank pui		reaching_sample.csv	press the export button.	you export a empty pur	exported	raii	Before the print buttons were		to set Toront to	all also discounts that	del Terdero Advadeso	
6-3:									being enabled as soon as data is imported to the program. This was fixed by only enabling the print buttons once they have selected	QString clic if (clickedN ui->teachPri	:on_teachIreeview kedMame = index.d ame==teachClicked ntButton->setEnab ortButton->setEna	ata(Qt::DisplayRo] Name index.col led(true);	delIndex &index) e).toString(); mmn()!=0) { return	;}
BUGFI X	mainwindow.cpp	You cannot export a blank pdf		Teaching_sample.csv	Load a data file. 2. Before selecting a chart press the export button.	The program will not let you export a empty pdf	The program will not let you export a empty pdf	Pass	data to print using "teachTreeView_clicked"					
7: Te	sting Tree d	ata structure												
	treeitem.cpp void appendChild (Treeltem *child);	You can insert items into a tree	If the number of children is equal to the number of children appended to the Treeltem the insert is working correctly	Treeltem parent item, child1, child2, child3	Create all 4 Treeltems using test data. 2. Set the child items to the parent item. 3. Check the number of children. Compare the number of children with the number of children appended to the tree.	The number of children inserted should be equal to the number of children	The number of children inserted was equal to the number of children	Pass						
	treeitem.cpp Treeltem			Treeltem parent item,	Create all 4 Tree items user test data. 2. Set the child items to the parent items. 3. Check if the child nodes parent is equal to the parent	The child nodes parent should be equal to the	The child nodes parent should be equal to the							
7-2	*parentItem();	You can get the parent from a tree		child1, child2, child3	node 1. Create all 4 Tree items user test data, 2. Set	parent node	parents node	Pass						
	treeitem.cpp Treeltem *child (int row);	You can get the children from a tree		Treeltem parent item, child1, child2, child3	the child items to the parent items. 3. Check if the children node is equal to the parents children	The parent nodes child should be equal to the child node	The parent nodes child should be equal to the child node	Pass						
8: Te	st Error Pro	cessing												
8-1	EditErrorDialog.	If a data file contains any invalid records the program will propt the user to edit or discard them	The datafile we are testing with contains at least 1 invalid record	Publications_sample.	Load a data file that contains an invalid record	The program showns the number of invalid records andpromps the user to edit or discard the invalid record	The program showns the number of invalid records andpromps the user to edit or discard the invalid record	Pass						
	EditErrorDialog.	If the user presses the button to edit invalid records the user will be brought	The datafile we are testing with contains at least 1 invalid record		Load a data file that contains an invalid record 2. Press the edit button in the popup	The program displays the valid records along with the invalid that was corrected	The program displays the valid records along with the invalid that was corrected	Pass						
	EditErrorDialog.	If the user fills in the missing data and presses save. The program will display the valid data and the invalid data that has been corrected	The datafile we are testing with contains at least 1 invalid record	Publications_sample.	Load a data file that contains an invalid record 2. Press the edit button in the popup 3. Fill in the missing data. 4. Press the "save" button	The program displays the valid records along with the invalid that was corrected	The program displays the valid records along with the invalid that was corrected	Pass						
	EditErrorDialog. cpp	If the user presses the button to discard invalid records. The program will discard these records and display the remaning data	The datafile we are testing with contains at least 1 invalid record	Publications_sample.	Load a data file that contains an invalid record 2. Press the "discard" button	The program discards the invalid records and only displays the valid records	The program discards the invalid records and only displays the valid records	Pass						
9: Te	sting QSortl	istIO												
9-1	QSortListIO class	The class should be able to save a QList of QStringLists to a file and then read the QList back out of the file.	The class will have the functionality to save a QList to a file and read it back out, the QList that we read from the file should be identical to our original QList. We will use QSortList(D:saveList (QList-QStrings>) to save our test QList to a file and then use QSortList(D:readList() to read it back out.	Made a test QList <qstringlist></qstringlist>	1. Create a QList <qstringlist> 2. Create a QSortListIO object 3. Use QSortListIO::saveList[) to save to file 4. UseQSortListIO::readList[) to retrieve the 1. S. Compare the list to the 1. original to make sure it did not get corrupted 1. in the process</qstringlist>	The List returned by readList() will be the same as the original	The Lists were identical	Pass						
10: P	hase 1 Syste	em												
10-1		PieChart should utilize a preset list of colors that work well together instead of picking colors at random		Teaching_sample.csv	Load a datafile. 2. Select a dataitem to display its chart.	The chart will use our preset list of colours.	The chart was displayed using our preset list of colors	Pass						

	mainwindow.cpp / qcustomplot.cpp	The UI should display a line graph for the user to look at.	Teaching_sample.csv	Load a datafile. 2. Select a data item to display. 3. Select the line chart button.	A line chart will be displayed summarizing the data	A line chart was displayed summarizing the data	Pass				
10-3	editerrordialog. cpp	The dialog shsould contain a find next button that finds the next data item missing information	Teaching_sample.csv	Load a datafile. 2. Select edit the errors. 3. Fix the first error. 4. Press the find find next button	The dialog should jump to the next error	The dialog jumped to the next error	Pass				
10-4	mainwindow.cpp	The user should be able to sort by division	Teaching_sample.csv	Load a teaching data file. 2. Select create new custom sort. 3. Create a new custom sort by division. 4. Select that sort to be used	The data will be sorted by division	The data was sorted by division	Pass				
10-5	testcharts.cpp	The program should not be able to setup and empty line chart	nullptr	Call setupLineChart and pass in nullptr for the check. Check to make sure that it returns false	it should return false	it returns false	Pass				
10-6	testcharts.cpp	The program should not be able to setup and empty bar chart	nullptr	Call setupBarChart and pass in nullptr for the check. Check to make sure that it returns false	it should return false	it returns false	Pass				
10-7	testcharts.cpp	The program should not be able to setup and empty pie chart	nullptr	Call setupPieChart and pass in nullptr for the check. Check to make sure that it returns false	it should return false	it returns false	Pass				
10-8	editerrordialog. cpp	All text feilds in the edit error dialog are editable	Teaching_sample.csv	Load a datafile 2. Select to edit the invalid data. 3. Attempt to edit a cell that contains valid data and attemp to edit a cell that contains invalid data	Both cells should be editable	Both cells are editable	Pass				
10-9	editerrordialog.	When someone makes changes in the edit error data field to already valid data those changes are maintained when the data is loaded into mainwindow	Teaching_sample.csv	Load a datafile 2. Select to edit the invalid data. 3. Edit a cell that contains valid data and fill in all missing data 4. Click save	The change made should persist into the mainwindow	The change did not persist into the mainwindow	Fail	This feature is still being worked on! It will be implemented for a future delivarable.			