CSP400 Software Delivery Project

Testing Document

Benjamin Sampson 914545@swansea.ac.uk May 8th, 2020



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1 Testing Document

1.1 Outline

In this document, I will be discussing the tests conducted on each specification and the attached requirement, alongside detailing the acceptance criterion and whether the test passed or failed. This pass or fail is based on whether the specification works as intended and has also been met.

1.2 Testing Results

1.2.1 Settings

This section contains the acceptance tests for the Settings area of the application

Asserts Requirement:	SEUIREQ1	Asserts Specifications:	SEUISPEC1	
Specification Description:	Each switch for selecting which user they are,			
Specification Description:	must lock all other "user" switches.			
Acceptance Criterion:	Once a specific "user" switch is selected, all other			
Acceptance Criterion:	user switches will be turn gray.			
Result		Pass		

Table 1: TEST_SEUI01

Asserts Requirement:	SEUIREQ1	Asserts Specifications:	SEUISPEC2		
	Each switch for selecting a user, will change values				
Specification Description:	which will change the location to load Frames				
	or export Frames and Sequences too.				
Acceptance Criterion:	The switch values affect the loading and exporting				
Acceptance Criterion:	locations of Frames and Sequences.				
Result		Pass			

Table 2: TEST_SEUI02

Asserts Requirement:	SEUIREQ2	Asserts Specifications: SE	EUISPEC3	
Specification Description:	Each switch for selecting the task, must lock			
Specification Description.	all other "task" switches.			
Acceptance Criterion:	Once a specific "task" switch is selected, all other			
Acceptance Criterion:	task switches will be turn gray.			
Result		Pass		

Table 3: TEST_SEUI03

Asserts Requirement:	SEUIREQ2	Asserts Specifications:	SEUISPEC4	
	Each switch for selecting a task will change values			
Specification Description:	which will change the location to load Frames			
	or export Frames and Sequences too.			
Acceptance Criterion:	The switch values affect the loading and exporting			
Acceptance Criterion:	locations of Frames and Sequences.			
Result	Pass			

Table 4: TEST_SEUI04

1.2.2 Menu

This section contains the acceptance tests for the Menu UI of the application.

Asserts Requirement:	MUIREQ1	Asserts Specifications:	MUISPEC1	
Specification Description:	Prior to the creation of a Frame, the Menu UI will give the user the option to select the Frame UI to allow for creation of a Frame.			
Acceptance Criterion:	The application provides the user with an area where they where they can select and subsequently create a Frame.			
Result:	Pass			

Table 5: TEST_MUI01

Asserts Requirement:	MUIREQ2	Asserts Specifications:	MUISPEC2		
Specification	Prior to the creation of a Sequence, the Menu UI will give the				
Description:	user the option to select the Sequence UI to allow for creation of a Sequence.				
Acceptance Criterion:	The application provides the user with an an area where they can select and subsequently create a Sequence.				
Result:	Pass				

Table 6: TEST_MUI02

Asserts Requirement:	MUIREQ3	Asserts Specifications:	MUISPEC3	
G 10 11	Prior to the creation of a Frame,			
Specification	the Menu UI will give the			
Description:	user the option to select and view			
	any Saved Frames if applicable.			
Acceptance	The application provides the user with an			
Criterion:	an area where they can select and			
Criterion:	subsequently view Saved Frames.			
Result:	Pass			

Table 7: TEST_MUI03

Asserts Requirement:	MUIREQ4	Asserts Specifications:	MUISPEC4	
	Prior to the creation of a Sequence, the Menu UI will give the			
Specification				
Description:	user the	l view and		
	d Sequences if appli	icable.		
Acceptance	The application provides the user with an			
Criterion:	an area where they can select and			
Criterion:	subsequently view Saved Sequence.			
Result:	Pass			

Table 8: TEST_MUI04

Asserts	MUIREQ5	Asserts	MUISPEC5	
Requirement:	MOHEGO	Specifications:	MOISI ECS	
	Prior	to the creation of e	ither a	
		Frame or Sequence	,	
Specification	$th\epsilon$	e Menu UI will give	the	
Description:	user the option to select the E		Export UI to	
	allow for exportation of their saved			
	Frames or Sequences.			
	The application provides the user with an			
Acceptance	an area where they can select and			
Criterion:	subsequently Export their			
	Save	d Frames and Sequ	ences.	
Result:	Pass			

Table 9: TEST_MUI05

Asserts Requirement:	MUIREQ1, MUIREQ2, MUIREQ3 MUIREQ4, MUIREQ5	Asserts Specifications:	MUISPEC6	
	Upon opening	the mobile applicat	ion,	
Specification	the user will be presented			
Description:	with a full Menu UI displaying			
	all of its contents.			
Acceptance	The application provides a full Menu UI that the user			
Criterion:	will see when they open the application from			
Criterion:	different areas of the application.			
Result: Pass				

Table 10: TEST_MUI06

1.2.3 Frame Creation

This section contains the acceptance tests for the Frame Creation area of the application.

Asserts	EUDEO1	Asserts	FUISPEC1		
Requirement:		FUIREQ1 Specifications:			
	Pr	rior to completing a	nd saving a Frame,		
Specification	the Frame UI will display an				
Description:	8x8 grid of coil dots. These coil dots must all be programmable in some way that allows user interaction				
Aggontongo	The 8x8	grid of coil dots, h	ave all been individually		
Acceptance Criterion:	programmed and allow for different types of user				
Criterion:	interaction.				
Result:	Pass				

Table 11: TEST_FUI01

Asserts Requirement:	FUIREQ2	Asserts Specifications:	FUISPEC2
	Prior to completing and saving a Frame,		
Specification	the Frame UI will include a		
Description:	text box area that allows the user to		
	give their desired Frame a number associated to it.		
Acceptance	The text area inside the Frame UI gives the user		
Criterion:	the ability to number their Frame.		
Result:	Pass		

Table 12: TEST_FUI02

Asserts	FUIREQ3	Asserts	FUISPEC3	
Requirement:	r ontegs	Specifications:	r Oldi ECo	
	Prior to completing and saving a Frame,			
Specification	the Frame UI will include a numerical			
Description:	counter that increments or decrements			
	depending of	depending on how many coils that Frame uses.		
Acceptance	The numerical counter found on the UI page,			
Criterion:	increments or decrements depending how			
Criterion:	many Frames the user has selected to use.			
Result:	Pass			

Table 13: TEST_FUI03

Asserts Requirement:	FUIREQ4	Asserts Specifications:	FUISPEC4
Specification Description:	the Fran	o completing and same UI will include a the user to change	
Acceptance Criterion:	The drop down box displayed on the Frame UI, provides the user with information to change the coil delay time when creating their Frame.		
Result:	Pass		

Table 14: TEST_FUI04

Asserts Requirement:	FUIREQ5	Asserts Specifications:	FUISPEC5	
	Prior to completing and saving a Frame,			
Specification	the Fram	e UI will include a	drop down box	
Description:	that allows the user to change the length			
	of time that a coil stays active.			
Acceptance	The drop down box displayed on the Frame UI,			
Criterion:	provides the user with the ability to change			
Criterion:	the coil activation time when creating a Frame.			
Result:	Pass			

Table 15: TEST_FUI05

Asserts Requirement:	FUIREQ6	Asserts Specifications:	FUISPEC6
	Prior to completing and saving a Frame,		
Specification	the Frame UI will include a display area		
Description:	that shows their desired Frame being constructed.		
	Allowing them to check their progress.		
Acceptance	The area located in Frame UI, provides the user		
Criterion:	with visual proof of all the details		
Criterion.	associated with that Frame they are creating.		
Result:	Pass		

Table 16: TEST_FUI06

Asserts Requirement:	FUIREQ7	Asserts Specifications:	FUISPEC7	
	Prior to completing and saving a Frame,			
Specification	the Frame UI will include a button named "Save"			
Description:	indicating that the user has finished creating their			
	Frame and that they wish to save this Frame.			
Acceptance	The "Save" button has functionality so that			
Criterion:	when they click it, it will save their created Frame			
Criterion:	for further use in the application.			
Result:	Pass			

Table 17: TEST_FUI07

Asserts	FUIREQ7	Asserts	FUISPEC8		
Requirement:	-	Specifications:			
	The "Save" button will have the ability				
Specification	to save the entire Frame the user created,				
Description:	and subsequently display their saved Fram				
	with it's name in the "Saved Frame" area.				
Acceptance	The "Save" button has correct functionality				
Criterion:	so that their name is displayed in				
Criterion:	the "Saved Frame" area of the application.				
Result:	Pass				

Table 18: TEST_FUI08

1.2.4 Sequence Creation

This section contains the acceptance tests for the Sequence Creation area of the application.

Asserts Requirement:	SUIREQ1	Asserts Specifications:	SUISPEC1
Specification Description:	Prior to completing and saving a Sequence, the Sequence UI will include a 8x8 grid display of all coils that are currently being used within the Sequence creation. This display will change depending what Frames are added into the Sequence creator.		
Acceptance Criterion:	The 8x8 grid display, will change graphically according to what Frames the user has selected whilst creating their Sequence.		
Result:	Pass		

Table 19: TEST_SUI01

Asserts Requirement:	SUIREQ2	Asserts Specifications:	SUISPEC2	
Cracification	Prior to completing and saving a Sequence, the Sequence UI will include a text box area			
Specification	1 ^			
Description:	that allows the user to give their desired			
	Sequence a number associated with it.			
Acceptance	The text area shown on the Sequence UI			
Criterion:	provides the user with the ability			
Criterion:	to number their Sequence whilst creating it.			
Result:	Pass			

Table 20: TEST_SUI02

Asserts Requirement:	SUIREQ3	Asserts Specifications:	SUISPEC3	
	Prior to completing and saving a Sequence,			
Specification	the S	the Sequence UI will include a counter that		
Description:	increments or decrements depending on			
	the amount of Frames being used during that Sequence.			
Acceptance	The counter shown on the Sequence UI, increments			
Criterion:	or decrements depending on the amount of selected			
Criterion:	Frames being used whilst making a Sequence.			
Result:		Pass		

Table 21: TEST_SUI03

Asserts	SUIREQ4	Asserts	SUISPEC4		
Requirement:	•	Specifications:			
	Prior to completing and saving a Sequence,				
Specification	the	the Sequence UI will include a drop down box			
Description:	displaying all the currently Saved Frames by the user. Allowing				
	them to select the Frames they wish to add to a Sequence.				
Acceptance	The drop down box associated with selecting Frames,				
Criterion:	will have	will have all Frames the user has created and will allow the			
Criterion:	user to add them into a Sequence.				
Result:]	Pass		

Table 22: TEST_SUI04

Asserts Requirement:	SUIREQ5	Asserts Specifications:	SUISPEC5	
Specification Description:		the Sequence UI w	and saving a Sequence, ill include a drop down he repetitions of a specific Frame.	
Acceptance Criterion:	The drop down box associated with setting the repetitions of a specific Frame, will provide the user with a selection of options that they can choose from.			
Result:	Pass			

Table 23: TEST_SUI05

Asserts Requirement:	SUIREQ6	Asserts Specifications:	SUISPEC6	
	Prior to completing and saving a Sequence,			
Specification	the Se	equence UI will incl	ude an area that displays	
Description:	the current Sequence in construction. Allowing them to			
	check their progress.			
Acceptance	The area located in the Sequence UI page is updated			
Criterion:	whenever the user adds or edits a Sequence, providing			
Criterion:	them with a visual update of the Sequence they are creating.			
Result:		Pa	ass	

Table 24: TEST_SUI06

Asserts	SUIREQ7	Asserts	SUISPEC7	
Requirement:	SUIREQI	Specifications:	SUISFECT	
	Prio	r to completing and	d saving a Sequence,	
Specification	the S	equence UI will inc	clude a button named	
Description:	"Save" indicating that the user has finished creating their			
	Sequence and that they wish to save it.			
	The button located on the Sequence UI called "Save"			
Acceptance	has the functionality that allows the user to save			
Criterion:	their finished Sequence that can be used elsewhere			
	in the application.			
Result:		Pas	s	

Table 25: TEST_SUI07

Asserts Requirement:	SUIREQ7	Asserts Specifications:	SUISPEC8					
	The "Save" button will have the ability to save							
Specification	the entire Sequence the user created, and							
Description:	subsequently display their saved Sequence with							
	it's name in the "Saved Sequence" area.							
Acceptance	The "Save" button has correct functionality so							
Criterion:	that their name is displayed in the "Saved Sequence"					that their name is displayed in the "Saved Sequence"		
Criterion.	area of the application.							
Result:	Pass							

Table 26: TEST_SUI08

Asserts	SUIREQ8	Asserts	SUISPEC9	
Requirement:	SCHEE	Specifications:	SCISI ECS	
	Prior	to completing and	saving a Sequence,	
Specification	the S	equence UI will inc	lude a button that	
Description:	allows the u	user to add or remo	ve a new Frame to their	
	Sequence during construction.			
	The button located on the Sequence UI that is used			
Acceptance	to add or remove Frames from a Sequence, gives			
Criterion:	the user functionality to reset the Sequence and this			
	is then shown in the Sequence Creation area.			
Result:		Pass		

Table 27: TEST_SUI09

1.2.5 Saved Frames

This section contains the acceptance tests for the Saved Frames area of the application.

Asserts Requirement:	SFUIREQ1	Asserts Specifications:	SFUISPEC1
Specification Description:	of the a	ser is on the Saved pplication, all their mes will be on displ	currently
Acceptance Criterion:	The spinners and areas associated with showing the user their Saved Frames, work and provide the ability to select them.		
Result:		Pass	

Table 28: TEST_SFUI01

Asserts	SFUIREQ2	Asserts	SFUISPEC2
Requirement:	SFUIREQ2	Specifications:	SFUISFEC2
Specification	Each Saved Frame will have		
Description:	the ability to view details about the Frame.		
Acceptance	All details associated with their Frame,		
Criterion:	are displayed once selected.		
Result:		Pass	

Table 29: TEST_SFUI02

Asserts Requirement:	SFUIREQ2	Asserts Specifications:	SFUISPEC3
Specification Description:	wishes to coils that have	e selected Frame the see will display the we been used to create	e number of ate that Frame.
Acceptance Criterion:	When the user is viewing a Frame, all coils that have been used are on display clearly visible to the user.		
Result:	Pass		

Table 30: TEST_SFUI03

Asserts Requirement:	SFUIREQ2	Asserts Specifications:	SFUISPEC4
Specification Description:	wishes to	selected Frame the b see will display th t are used within the	e delay of
Acceptance Criterion:	When the user is viewing a Frame, they will clearly be able to see the delay time of that Frame.		
Result:	Pass		

Table 31: TEST_SFUI04

Asserts Requirement:	SFUIREQ2	Asserts Specifications:	SFUISPEC5
Specification Description:	The selected Frame the user wishes see will display the length of time that the coils are activated.		
Acceptance Criterion:	When the user is viewing a Frame, they will clearly be able to see the length of time that coils have been activated for in that Frame.		
Result:	Pass		

Table 32: TEST_SFUI05

1.2.6 Saved Sequences

This section contains the acceptance tests for the Saved Sequences area of the application.

Asserts Requirement:	SSUIREQ1	Asserts Specifications:	SSUISPEC1
Specification Description:	of the a	ser is on the Saved application, all thei hences will be on di	r currently
Acceptance Criterion:	The spinners and areas associated with showing the user their Saved Sequence, work and provide the ability to select them.		
Result:	Pass		

Table 33: TEST_SSUI01

Asserts	SSUIREQ2	Asserts	SSUISPEC2
Requirement:	SSUITEQ2	Specifications:	330131 EC2
Specification	Each Saved Sequence will have the ability to		
Description:	view details about that Sequence.		
Acceptance	All details associated with their Sequence,		
Criterion:	are displayed once selected.		
Result:		Pass	

Table 34: TEST_SSUI02

Asserts	SSUIREQ2	Asserts	SSUISPEC3	
Requirement:		Specifications:		
Specification	The selected	Sequence the user	wishes to see will	
_	display what Frames have been used in			
Description:	construction of that Sequence.			
Acceptance	When the user is viewing their Sequence, all			
Criterion:	Frames used in creating that Sequence will			
Criterion:	be displayed, visible to the user.			
Result:	Pass			

Table 35: TEST_SSUI03

Asserts Requirement:	SSUIREQ2	Asserts Specifications:	SSUISPEC4
Specification Description:	The selected Sequence the user wishes to see will display the total repetitions of each Frame that is used in the construction of that Sequence.		
Acceptance Criterion:	When the user is viewing a Sequence, they will be able to see the repetitions associated with each Frame.		
Result:	Pass		

Table 36: TEST_SSUI04

1.2.7 Export Frames/Sequences

This section contains the acceptance tests for the Export Frames/Sequences area of the application.

Asserts Requirement:	EUIREQ1	Asserts Specifications:	EUISPEC1
Specification Description:	Once the user is on the Export area of the application, there will be a drop down box displaying all their Saved Frames.		
Acceptance Criterion:	All the buttons and spinners associated with viewing Frames ready to be Exported, will work and be updated if the user has made Frames.		
Result:	Pass		

Table 37: TEST_EUI01

Asserts Requirement:	EUIREQ1	Asserts Specifications:	EUISPEC2
Specification Description:	Once the user is on the Export area of the application, there will be a drop down box displaying their Saved Sequences.		
Acceptance Criterion:	All the buttons and spinners associated with viewing Sequences ready to be Exported, will work and be updated if the user has made Sequences.		
Result:	Pass		

Table 38: TEST_EUI02

Asserts Requirement:	EUIREQ2	Asserts Specifications:	EUISPEC3
Specification Description:	The Export UI will include a button that allows the user to export their selected Frame as a .txt.		
Acceptance Criterion:	The button that provides functionality to the Export UI, will Export their selected Frame as a .txt in a specific directory.		
Result:	Pass		

Table 39: TEST_EUI03

Asserts Requirement:	EUIREQ2	Asserts Specifications:	EUISPEC4
Specification Description:	The Export UI will include a button that allows the user to export their selected Sequence as a .txt.		
Acceptance Criterion:	The button that provides functionality to the Export UI, will Export their selected Sequence as a .txt in a specific directory.		
Result:	Pass		

Table 40: TEST_EUI04