

Inspect

Elaboration Iteration 2 Plan

1. Key milestones

Milestone	Date
Iteration start	29 Apr
Finalise Implementation of Template	6 May
Finalise Implementation of Template Editor	6 May
Unit Testing - Conversion Manager	7 May
Unit Testing - Template Editor	7 May
Integration Testing - Template, Conversion Manager and Template Editor	8 May
Research File Manager and File Share Manager	3 May
Implement File Manager	7 May
Implement File Share Manager	9 May
Unit Testing - File Manager	10 May
Unit Testing - File Share Manager	10 May
Integration Testing - Log Manager, File Manager, File Share Manager	11 May
Integration Testing - File Manager and Template	11 May
Finalise work items and upload to repo	12 May

Blog	12 May
Iteration stop	12 May

2. High-level objectives

Elaboration Iteration 1 Objectives (Remaining)

1. Finalise Implementation of Template
2. Finalise Implementation of Template Editor
3. Unit Testing - Conversion Manager
4. Unit Testing - Template Editor
5. Integration Testing - Template, Conversion Manager and Template Editor

Elaboration Iteration 2 Objectives

6. Implement File Manager
7. Implement File Share Manager
8. Unit Testing - File Manager
9. Unit Testing - File Share Manager
10. Integration Testing - Log Manager, File Manager, File Share Manager
11. Integration Testing - File Manager and Template
12. Finalise work items and upload to repo

3. Evaluation criteria

Elaboration Iteration 1 Evaluation Criteria (Remaining)

1. Finalise Implementation of Template as agreed with team.
2. Finalise Implementation of Template Editor as agreed with team.
3. Unit Testing - Conversion Manager as agreed with team.
4. Unit Testing - Template Editor as agreed with team.
5. Integration Testing - Template, Conversion Manager and Template Editor as agreed with team.

Elaboration Iteration 2 Evaluation Criteria

6. Implement File Manager as agreed with team.
7. Implement File Share Manager as agreed with team.
8. Unit Testing - Log Manager, File Manager, File Share Manager as agreed with team.
9. Integration Testing - Log Manager, File Manager, File Share Manager as agreed with team.
10. Integration Testing - File Manager and Template as agreed with team.
11. Finalise work items and upload to repo as per subject outline and as agreed with team.

4. Work Item assignments

The following Work Items will be addressed in this iteration:

Work Item ID	Name or keywords of description	Outcome	State	Assigned to (Name)	Est. Hours	Hours Worked	Estimate of hours remaining
1.0	Finalise Implementation of Template		Complete				
1.1	Create Element Classes			Michael	4		
1.1.1*	Created a few elements layouts	https://github.com/MethodicalMadness/Inspect/commit/4b57493bb91a009ebd04001fe892cf71e5f8724a		Michael		1	
1.2	Save state	A save state object for the modified template and functionality to save.		Michael	4		
1.2.1*	Researched data binding and Created Data object class	https://github.com/MethodicalMadness/Inspect/commit/7a8b0e19c6080bad20a8bdf795cec8b440126ae7		Michael		2	
1.2.2*	Researched and Implemented data binding between UI elements and data objects	https://github.com/MethodicalMadness/Inspect/commit/5eb53f54afb45a388a690333aaacf1b56c6e779f		Michael		5	
1.2.3*	Implemented a save state using data objects	https://github.com/MethodicalMadness/Inspect/commit/2f00796ed381cdeecfa9897e51255ac71273ee31		Michael		3	
1.2.4*	Save file output functionality	https://github.com/MethodicalMadness/Inspect/commit/a55dc23ee3e57d2dca4c3644f12d15945e80088c		Michael		1	
1.3	Load State			Michael	4		
1.3.1*	Implemented loading data objects	https://github.com/MethodicalMadness/Inspect/commit/e35dbc8dc5cec333234298de2420198bba46ea2f		Michael		3	

2.0	Finalise Implementation of Template Editor		In Progress	Jasmine	4		
2.1	Implement GUI for adding removing Elements		In progress	Jasmine	4	2	
2.1.1*	Attempt 1: Add buttons using code into the view	Create a button with code and add it into the view programmatically https://github.com/MethodicalMadness/Inspect/commit/fb516abe115d041367ca5d3b928241949c139f80	Abandon	Jasmine	5	4.5	
2.1.2*	Attempt 2: Add button using fragments inserted into view	Make fragment, add into view with code when button clicked Researched how to do this https://github.com/MethodicalMadness/Inspect/commit/49a891c1e0524e7e41b8ccb082f8c817f0fb1cb2	In progress	Jasmine	4	2.5	
2.1.3*	Create next screen after menu	Created module menu example https://github.com/MethodicalMadness/Inspect/commit/ce7b7979c88f5379f8fb099747c8205fcd7a132c	Complete	Jasmine	1	1	
2.2	Editor Layout to Template save state translation			Jasmine	4	0	
2.3	Preview PDF integration		Incomplete	Michael	2		
3.0	Implement File Manager			Elias Conrad	4 4		
3.1	Research File Manager						
3.1.1*	Researched permissions and			Conrad		3.5	

	tested various methods for requesting properly in Android						
3.1.2*	Researched ways to implement methods within File Manager and attempted to implement ways of requesting camera and storage permissions	https://github.com/MethodicalMadness/Inspect/blob/master/app/src/main/AndroidManifest.xml		Elias		3	
3.1.3*	Extra research into file save/load to the Android system			Conrad		3.5	
3.1.4*	Researched and attempted to locate the errors within the logToFile methods within the Log Manager class. Tried implementing alternate ways of saving and and reading files.			Elias		2.5	
3.1.5*	File saving and reading is now working in LogManager - Will implement to other classes as required	https://github.com/MethodicalMadness/Inspect/blob/master/app/src/main/java/com/example/inspect/LogManager.java		Conrad		2	
3.2	Create Template						
3.2.1*		Researched ways to create and load templates using the methods already created in the Template and Template Editor classes.		Elias		2	
3.3	Load Template						
3.4	Load Saved State						
3.5	Delete Object						
3.6	Update Directory						
3.7	Open Pdf						
4.0	Implement File Share Manager			Elias Conrad	4 4		

4.1	Research File Share Manager						
4.2	Send Email						
5.0	Unit Testing	Ensure methods within classes give expected output and meet user specifications.	Incomplete				
5.1	Perform Unit Testing for Conversion Manager			Michael	4		
5.2	Perform Unit Testing for Template			Elias	4		
5.3	Perform Unit Testing for Template Editor			Conrad Jasmine	4 4		
5.4	Perform Unit Testing for Log Manager			Elias	4		
5.5	Perform Unit Testing for File Manager			Conrad	4		
5.6	Perform Unit Testing for File Share Manager			Michael Jasmine	4 4		
6.0	Integration Testing	Ensure that two modules behave and function as expected after integration.	Incomplete				
6.1	Perform Integration Testing between Template, Log Manager, and Template Editor			Jasmine Conrad Elias	4 4 4		
6.2	Perform Integration Testing between Template Editor, Log Manager, and Conversion Manager			Michael Jasmine Conrad	4 4 4		
6.3	Perform Integration Testing between Template, Log Manager, and Conversion Manager			Michael Elias Jasmine	4 4 4		
6.4	Perform Integration Testing between Log Manager, File			Elias Conrad	4 4		

	Manager, File Share Manager						
6.5	Perform Integration Testing between File Manager and Template			Elias Conrad Michael	4 4 4		
7.0	Project Management	Individual tasks assigned, iteration plan, trello, team meetings	Complete	Michael Jasmine Conrad Elias	4 4 4 4		
7.1	Maintain Trello			Michael Jasmine Conrad Elias		0 0 0 0	
7.2	Team / Oversight meeting			Michael Jasmine Conrad Elias		3 3 3 3	
7.3	Complete Elaboration Iteration 2 plan.			Michael Jasmine Conrad Elias		1 1 1	
7.4	Create next Elaboration Iteration plan			TBA			
8.0	Finalise all work items and upload to repo	All work items finalized and upload to repo.	Complete	Michael Jasmine Conrad Elias	4 4 4 4		
8.1	Finalized previous iterations plan			Michael Jasmine Elias		0.5 0.5 0.5	
8.2	Uploaded Previous iteration docs, uploaded to git and updated links in PMAS			Michael		1	
9.0	Blog		Complete	Michael Jasmine Conrad Elias	1 1 1 1	1 1 1 1	

5. Issues

Issue	Status	Notes
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Research still takes the bulk of our dev time.	Beige	Unavoidable.
Accessing android filesystem for file I/O was complicated and took forever	Completed	This was due to Android OS security features.

6. Assessment

Assessment target	Complete all Objectives by end of iteration
Assessment date	May 12
Participants	All
Project status	Green

- **Assessment against objectives**

We managed to meet objectives 1, 2 and some of 6.

- **Work Items: Planned compared to actually completed**

Implementation of the Template and Template Editor classes were finalised, and supporting classes for template elements, menus and pages were created (and partially implemented). Permissions for storage and camera were implemented. The file saving and reading aspects of the logToFile method within the Log Manager class were revised and successfully implemented.

- **Assessment against Evaluation Criteria Test results**

All completed work items were evaluated to the teams standards after all members reviewed and signed off on quality.

- **Other concerns and deviations**

Unfinished work items will be carried over into the next elaboration iteration plan.