G5

PROJECT DOCUMENTATION

Inception Status Assessment

Aerial Imagery Initiative

Index

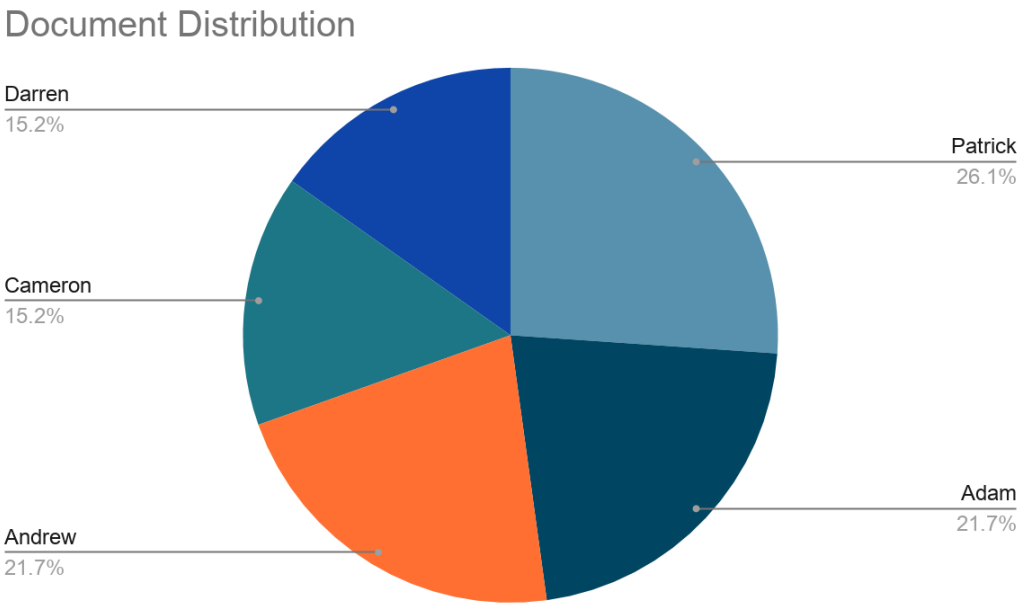
Summary

Workload Breakdown

(Not weighted, uniform importance)
Percentages of document / section workload in fractional form.

NOTE: *Workload breakdown is approximate and is based on iteration planning*

Document	Pat	Adam	Andrew	Darren	Cam	
RA	0.9	0.025	0.025	0.025	0.025	
PA	0	1	0	0	0	
PV	0	0.5	0.5	0	0	
IRM	0	0	1	0	0	
MTP	0	0	0	1	0	
TC	0.2	0.2	0.2	0.2	0.2	
SA	1	0	0	0	0	
IPP	0	0	0	0	1	TOTAL
Contribution	2.1	1.725	1.725	1.225	1.225	8



Completed Goals

The primary goals that have been completed in the inception phase of the unified process are below.

- LCOM documentation completed (to be revised as LCAM)
- Certified as AWS cloud practitioners.
- The underlying problem is understood and the early stages of solution designing has begun.
- Identified the platforms on AWS that are to be utilised (with the assistance of DCS and Intellify)

Risks Identified and Resolved

The majority of issues arose in regards to the schedule and project management risk areas (see below for explanation). Most technical problems were resolved through the assistance of Nik or James from Intellify, serving as important resources now and well into the project. There have been some concerns around the cost of services on the AWS platform and these have been addressed through certification in AWS cloud knowledge and assistance from experienced industry professionals from Intellify.

The **Risk List** spreadsheet showcases a range of risks and their resolutions, refer to this document regarding risks throughout the LCOM documentation period.

Progression

The team is focusing on understanding the problem and possible solutions as well as the services that will be in play for the final product. As far as the team is aware, this project is first a proof of concept and potentially more if all goes well in the preliminary planning and technical skill establishment. The team has access to the experience from the team at Intellify who will be guiding the project and helping group 5 to deliver an excellent working system using the AWS platform for Spatial Services (DCS, NSW Government). Each member of group 5 is keeping on top of their work, aiming to deliver high results both in the technical implementation and accompanying documentation.

Weekly meetings with Nik (Intellify), Simon and David will see that group 5 is trained to be highly competent in the services that are being used to create the proposed solution. As the weeks go on, group 5 will be able to showcase more and more technical skills in S3, Sagemaker, Ground Truth and Jupyter Notebooks relevant to the project requirements.

This document set (outlined under deliverables) marks the end of the LCOM documentation period of the Inception Phase (Unified Process) and the start of LCAM. During this next stage a number of existing documents will be further refined and others created to fulfil thorough planning practises.

Future Iteration Planning

In future more emphasis needs to be placed on blog entries that the team makes as this has been overlooked at many stages of the project but remains an aspect of the deliverables. As such this could be made a part of interaction planning ie four blog entries in an eight week iteration (one every two weeks like originally stated by david).

To consider

With LCAM coming into focus after this document set, the team will be focusing on the following documents for the next major deadline.

Revising the following documents:

- Project Vision
- Requirements Model
- Risk List
- Master

Finalising the following documents:

- Architecture.

Providing

- Evidence of tests, specifically from the master test plan or otherwise.
- Elaboration Phase Status Assessment.

Deliverables

Risk Assessment

Assigned to Patrick

Documents

Document		Status
Overall risk assessment (PDF .pdf)	➜	**COMPLETED**
Risk List (Excel Sheet .xlsx)	➜	**UP TO DATE**

Tasks

Task		Status
Identify risks	➜	**ONGOING**

Workload Distribution

Patrick, All	➜	**80-90%, 10-20%**

Comments

- Overall risk assessment started by Patrick, contributions received from all other members of the team.
- Risk list is populated but needs a few more significant risks identified.
- More risks identified, will keep this going throughout the project.
- Both files uploaded to github by Patrick - [Pat] 3/5/21

Proposed Architecture

Assigned to Adam

Documents

Document		Status
Architecture Notebook (PDF .pdf)	➜	**COMPLETED**

Tasks

Task		Status
-	➜	**NA**

Workload Distribution

Adam	➜	**100%**

Comments

- Uploaded to Github by Adam - [Pat] 4/5/21

Project Vision

Assigned to Adam, Andrew

Documents

Document		Status
Project Vision (PDF .pdf)	➜	**COMPLETED**

Tasks

Task		Status
-	➜	**NA**

Workload Distribution

Adam, Andrew	➜	**50%, 50%**

Comments

- Uploaded to Github by Andrew - [Pat] 3/5/21

Initial Requirements Model

Assigned to Andrew

Documents

Document		Status
Proposed Architecture (PDF .pdf)	➜	**COMPLETED**

Tasks

Task		Status
-	➜	**NA**

Workload Distribution

Andrew	➜	**100%**

Comments

- Confirmed uploaded to github by Andrew - [Pat] 2/5/21

Master Test Plan

Assigned to Darren

Documents

Document		Status
Proposed Architecture (PDF .pdf)	➜	**COMPLETED**

Tasks

Task		Status
-	➜	**NA**

Workload Distribution

Darren	➜	**100%**

Comments

❖

Initial Project Plan

Assigned to Cameron

Documents

Document		Status
Initial Project Plan (PDF .pdf)	➜	**COMPLETED**

Tasks

Task		Status
-	➜	**NA**

Workload Distribution

Cameron	➜	**100%**

Comments

- This document is on its way to being complete - [Pat] 3/5/21

Technical Competency

Assigned to All

Documents

Document		Status
Team AWS Competency Demo / Concept	➜	**COMPLETED**

Tasks

Task		Status
AWS Certification	➜	**4 of 5 complete**

Workload Distribution

All	➜	**20% Each**

Comments

- AWS certification will count to this section as discussed with David.
- Other elements of competency are unclear, and libraries required for this project are cloud accessible, no need for downloading and commiting to a repository. Ongoing competency skills and libraries will be uncovered with Nik, David and Simon in weekly technical meetings.
- Adam has compiled a basic sagemaker and Jupyter Notebook example (Team AWS Competency Demo / Concept), which the team understands and could replicate - [Pat] 3/5/21

Status Assessment

Assigned to Patrick

Documents

Document		Status
This document (PDF .pdf)	➜	**COMPLETED**

Tasks

Task		Status
-	➜	**NA**

Workload Distribution

Patrick	➜	**100%**

Comments

References

Title page cover photo.
Rosalie flooded. (2011). Retrieved from https://www.abc.net.au/news/2011-06-03/brisbane-floods3a-before-and-after-article/2742794?nw=0