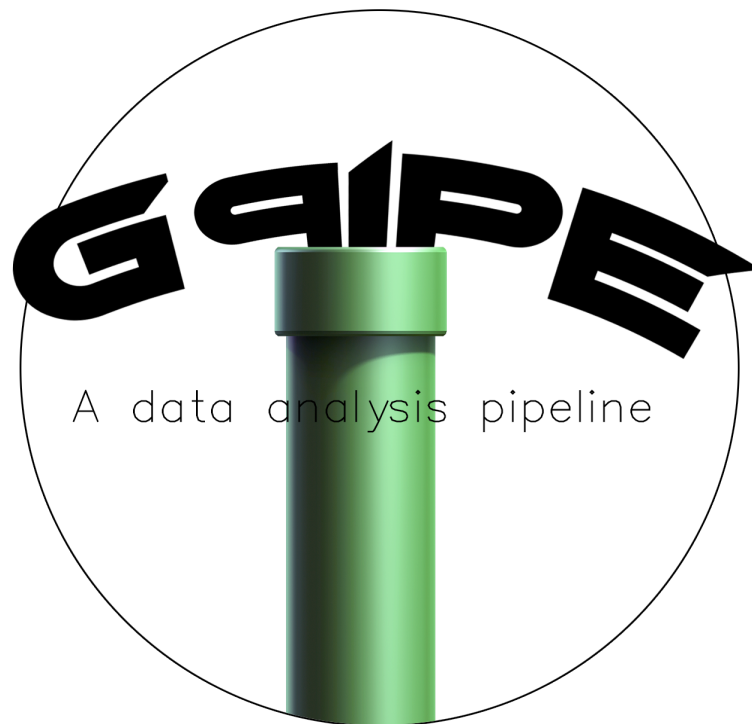


Project plan and Requirements document



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PA1456

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Section 1. Project Description

1.1 Title

The title of the project is GPipe

1.2 Project Aim and Objectives

The major objective is to develop a working analysis pipeline that extracts code reviews from Gerrit, it should also be able to analyse the data extracted and visualise some extracted metrics. Some minor objectives that should be included is to deliver a decent UX, so most users can use GPipe even if they've never used Python before, create a decent setup for the software so you don't have to go into the terminal and write weird scripts. Sort and find data is a key feature that should be implemented.

Section 2. User Personas

Name	Characteristics	Needs/expectations	Responsibilities
User	Age 15 to 50-60s, users should be technical enough to use Windows OS appropriately without assistance. Typical backgrounds might be teacher, coder, student, project team leader.	Data to be shown nicely Easy navigation Visualisation of data Downloading visualisation Easy I/O Sorting data Filtering data Be notified when error i.e. server is down	Choosing where to save files Not spam requesting

Section 3. Software Features and Requirements

GPipe will have features to collect data via Gerrit and visualise it, there will also be features to see in a current time limit. It will be viable to download data as different graphs as .PNG pictures. Filtering and sorting data by different metrics will be a key feature.

3.1 Requirements

#	As a <type of user>	I want/need to <perform a task>	so that <achieve some goal>
1	Analyst	I need to Visualise data	So I can get a different viewpoint.
2	Analyst	I want to Sort data	So I can see what's most important.
3	Analyst	I want to Search data	So I can find what's most important for me.
4	Analyst	I want to be able to switch platforms (I.E chromium, android etc.)	So I can switch if my team switches.
5	Analyst	I want to be able to easily setup the software	So I don't have to struggle if I'm not technical

3.2 Non-functional Requirements

- A UI that works for everyone
- A History section

Section 4. Backlog

Backlog ID	User Story/Feature/Task	Estimated Effort	Priority	Sprint	Status
1.	Get a working API With I/O	1 week	Must	1	Work in progress
2.	Get a sorting and searching mechanism	1 week	Must	1	Not started
3.	Visualisation	half week	Must	1	Not started
4.	UI	1 week	Must	2	Not started
5	Easy setup	1 week	Could	2	Not started
6	Fine tuning	2 week	Must	2	Not started

Section 5. Project Risk List

- Won't be finished in time, minimal risk.
- Won't have a nice UI, a bit higher risk if time runs out.
- Buggy but finished, High risk, fine tuning might be able to fix this.