

WBS

Code	Activity	Predecessor	Optimal	Normal	Worst	Expected time
A	Under construction	--	3 days	5 days	7 days	5
B	Front-end: Movie page	A	2 days	4 days	6 days	4
C	API Connect	B	1 day	2 days	3 days	2
D	To-watch movies section	C	4 days	5 days	7 days	5.16
E	Add local review section	D	2 days	3 days	5 days	3.66
F	Create a database	-	1 day	2 days	3 days	2 days
G	Add users	F	1/2 day	1 day	2 days	1.09
H	Log-in	G, F	2 days	4 days	6 days	
I	Dynamic front-end	D, H	3 days	5 days	7 days	5 days

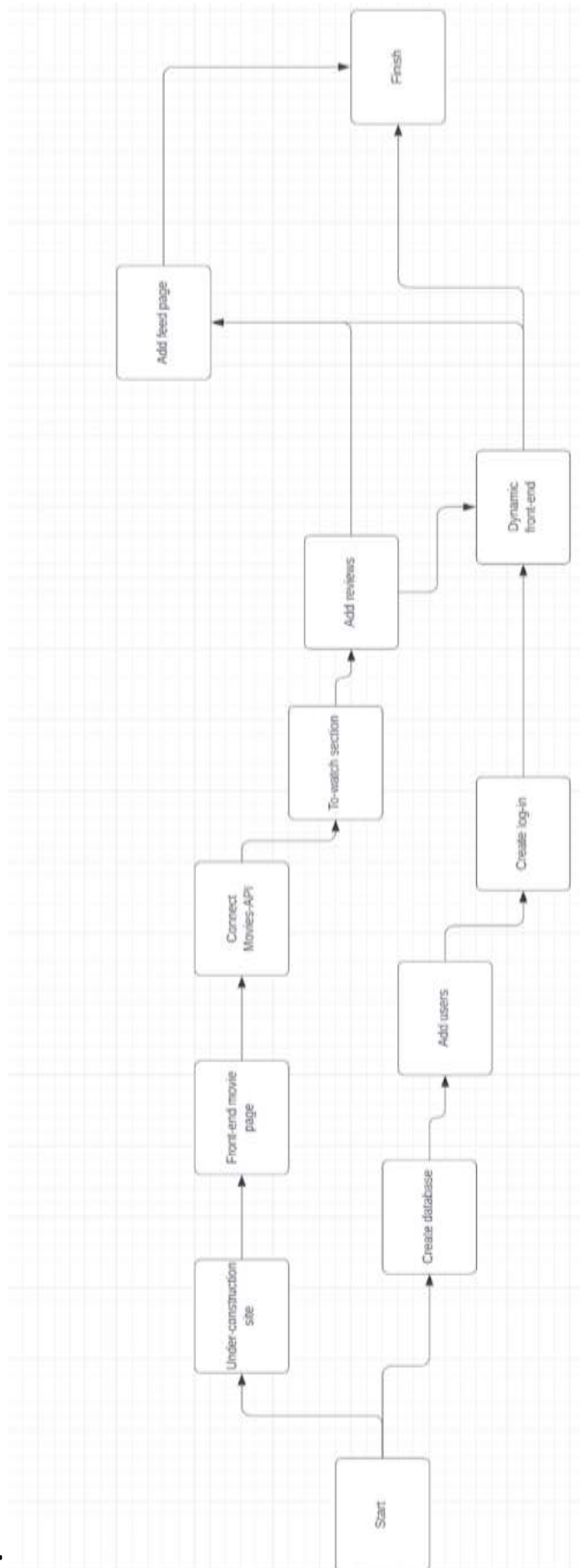
If all tasks are successfully completed.

Z	Feedback Where different users can see others' reviews	H, F, E, D, I	4 days	8 days	14 days	8.33
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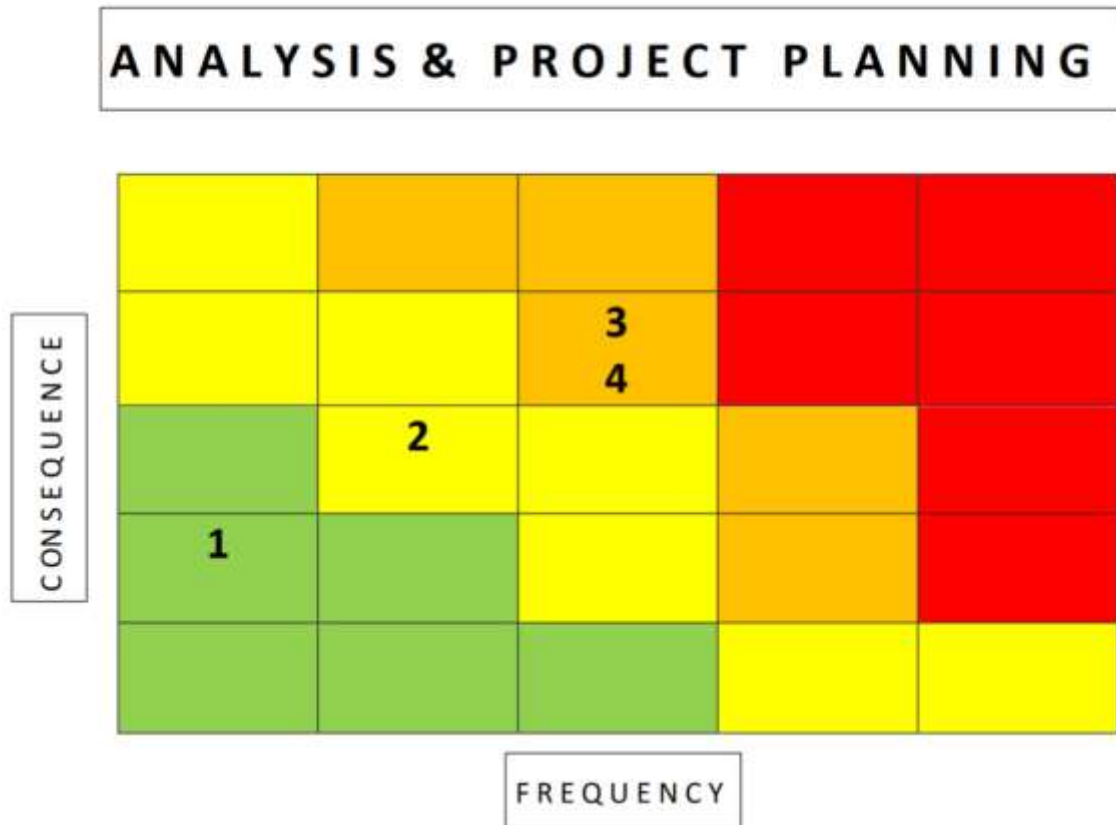
Task allocation matrix

week	0	1	2	3	4
Margarita	A ₂		D ₂	E ₂	I
Santiago	A	B ₂	D ₁	F G	
Scott		B C		E ₁ H	I ₂

Pert chart

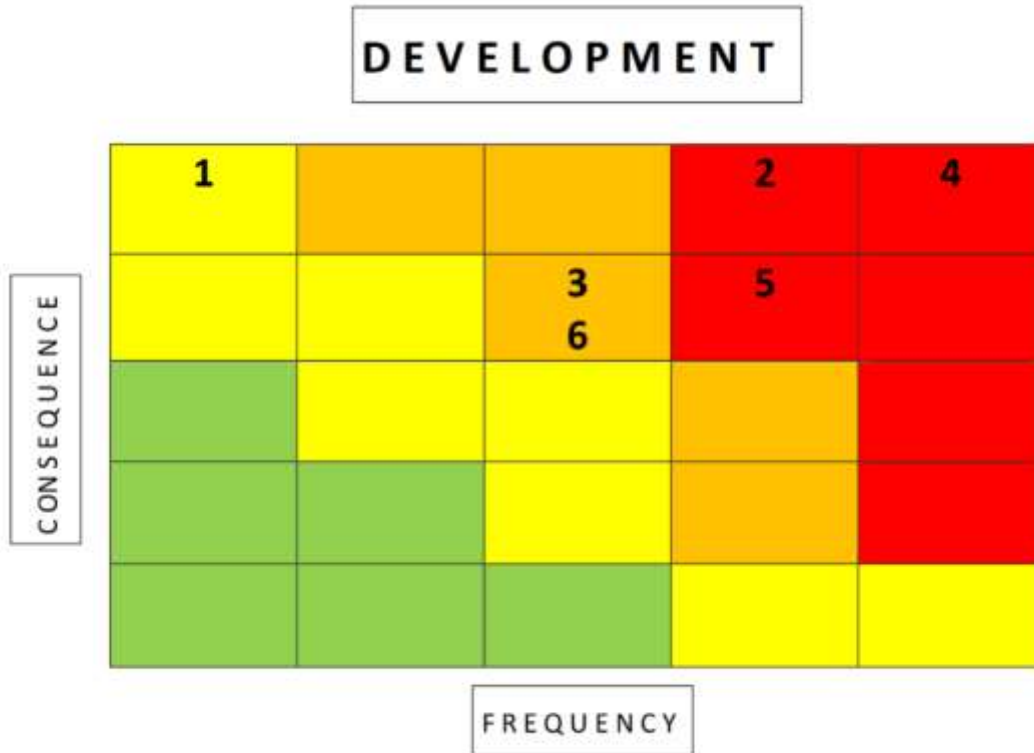


Risk assessment



DEVELOPMENT

- 1) Stakeholders - Med consequence X Low frequency
- 2) Models - Med consequence X Med frequency
- 3) Diagrams - High consequence X High frequency
- 4) Agile Development - High consequence X High frequency



DEVELOPMENT

- 1) Hardware & Stack Available – High consequence X Low frequency
- 2) Developer's React Capabilities – Extreme consequence X High frequency
- 3) Database Management - High consequence X Med frequency
- 4) API Accessible - – Extreme consequence X Extreme frequency
- 5) Log In System - High consequence X High frequency
- 6) Security Development - High consequence X Med frequency
- 7) Developer's Time - Extreme consequence X High frequency

RELIABILITY & SECURITY

CONSEQUENCE	3	1			
	6	4 5			
		2			
FREQUENCY					

RELIABILITY & SECURITY

- 1) Database security – Extreme consequence X Med frequency
- 2) Front-End Security - Med consequence X Low frequency
- 3) SRC Code security - Extreme consequence X Low frequency
- 4) Malware attack - High consequence X Med frequency
- 5) External Systems - High consequence X Med frequency
- 6) External Servers Reliable - High consequence X Low frequency

MAINTENANCE

CONSEQUENCE	1 2	4			
	3	5	6		
	FREQUENCY				

MAINTENANCE

- 1) Keep React Legacy Code Compliant – Extreme consequence X Low frequency
- 2) Database Legacy Code Compliant - Extreme consequence X Low frequency
- 3) API Code Compliant - Extreme consequence X Low frequency
- 4) Log In System Compliant - High consequence X Med frequency
- 5) Security Up To Date With Industry Standards- High consequence X Med frequency
- 6) Developer's Time - High consequence X High frequency