PERT Document

Task	Description	Duration	Earliest Start Date	Earliest Finish Date	Latest Start Date	Latest Finish Date	Predecessor(s)	Critical Path
A	Form team	3	Day 0	Day 3	Day 0	Day 3	None	Yes
B	Assign roles	3	Day 3	Day 6	Day 3	Day 6	A	Yes
C	Decide version control and communication methods	3	Day 3	Day 6	Day 3	Day 6	A	Yes
D	Requirement analysis	3	Day 6	Day 9	Day 6	Day 9	B,C	Yes
E	Rule interpretation	3	Day 9	Day 12	Day 9	Day 12	B,D	Yes
F	Design research and creation	3	Day 6	Day 9	Day 12	Day 15	B	No
G	Finalise design	3	Day 9	Day 12	Day 15	Day 18	F	No
H	AI difficulty and behaviours	3	Day 9	Day 12	Day 15	Day 18	D	No
I	Programming language	3	Day 9	Day 12	Day 9	Day 12	C,D	Yes
J	Programming development	36	Day 12	Day 48	Day 12	Day 48	D,E,I	Yes
K	Core game coding	24	Day 12	Day 36	Day 18	Day 42	D,E,I	No
L	GUI coding	24	Day 12	Day 36	Day 18	Day 42	D,G,I	No
M	AI coding	24	Day 12	Day 36	Day 18	Day 42	D,E,H,I	No
N	Testing	36	Day 12	Day 48	Day 12	Day 48	D,E,I	Yes
O	Bug fixing	6	Day 32	Day 38	Day 42	Day 48	K,L,M	No
P	Record meetings and sprint, update PERT and Risks	42	Day 3	Day 45	Day 5	Day 47	B	No
Q	Collect all documents from sprints and team meetings etc.	1	Day 45	Day 46	Day 47	Day 48	P	No
R	Group report	6	Day 48	Day 54	Day 48	Day 54	J,N,O,Q	Yes
S	Combine all documents and deliverables	3	Day 54	Day 57	Day 54	Day 57	J,N,Q, R	Yes
T	Check and finalise submission	3	Day 57	Day 60	Day 57	Day 60	S	Yes
U	Submission	0	Day 60	Day 60	Day 60	Day 60	T	Yes

Duration is in days, working 6 days a week. Day 0 is the start of the project, so the beginning of week 1, and day 60 is the end of week 10. We plan to have most documents and deliverables prepared and ready by the end of week 9, allowing week 10 to finalise and double-check all work – aiming for submission by the end of week 10. This allows us a week of slack if anything goes wrong or is delayed.

This is also an updated PERT document, as the previous PERT document shows what tasks need to be completed in a vague order, rather than in this format.

Progress is well underway.

Thursday 20th February 2025.