TaskID	Task Description	Duration (Days)	Dependencies
A	Research filtering and sorting logic	1	None
B	Implement filtering and sorting	2	A
C	Research category feature	1	None
D	Implement category feature	2	C
E	Documentations	2	None
F	Merge add to cart	1	None

(1 day)

(2 days)

E

(2 days)

F
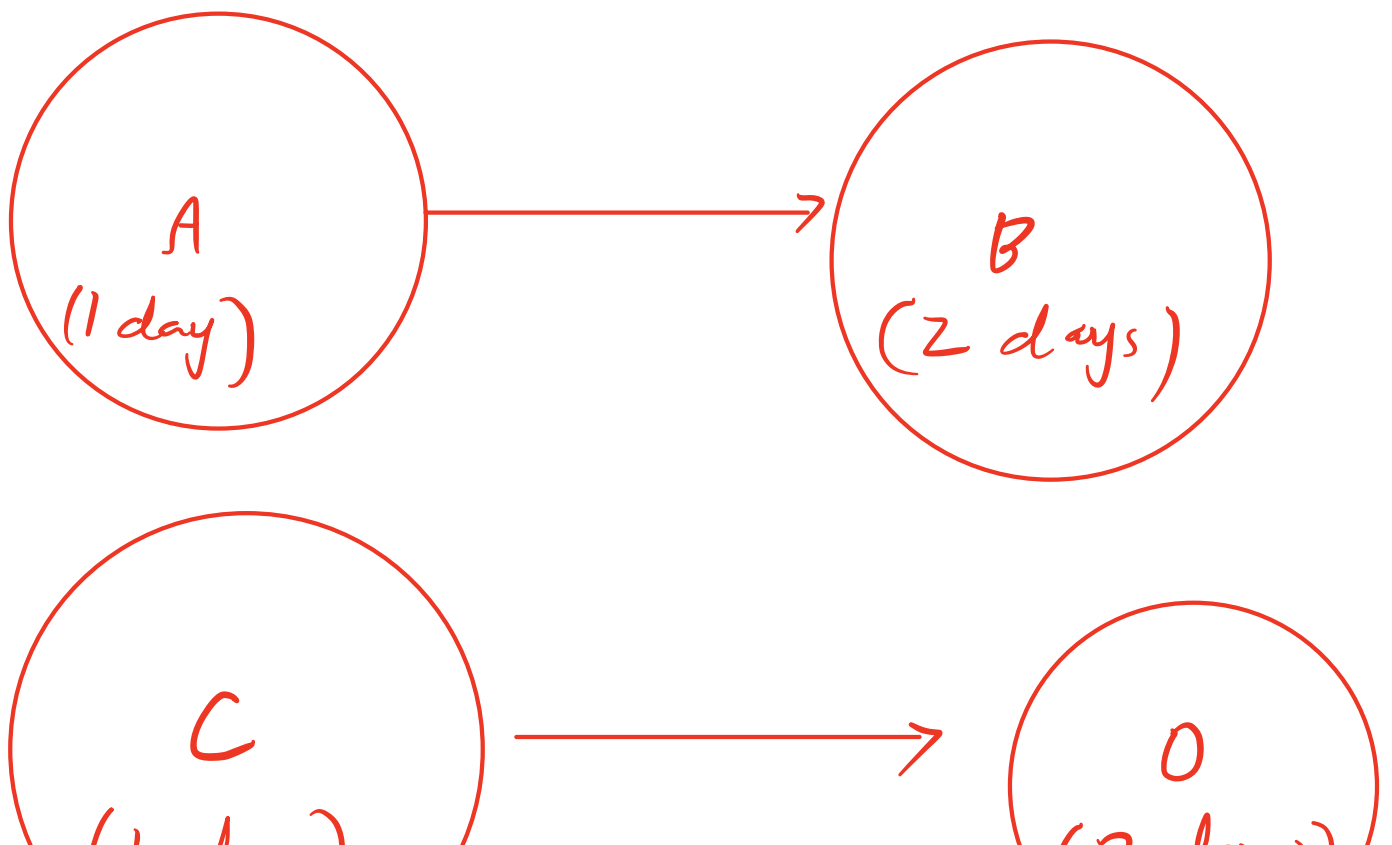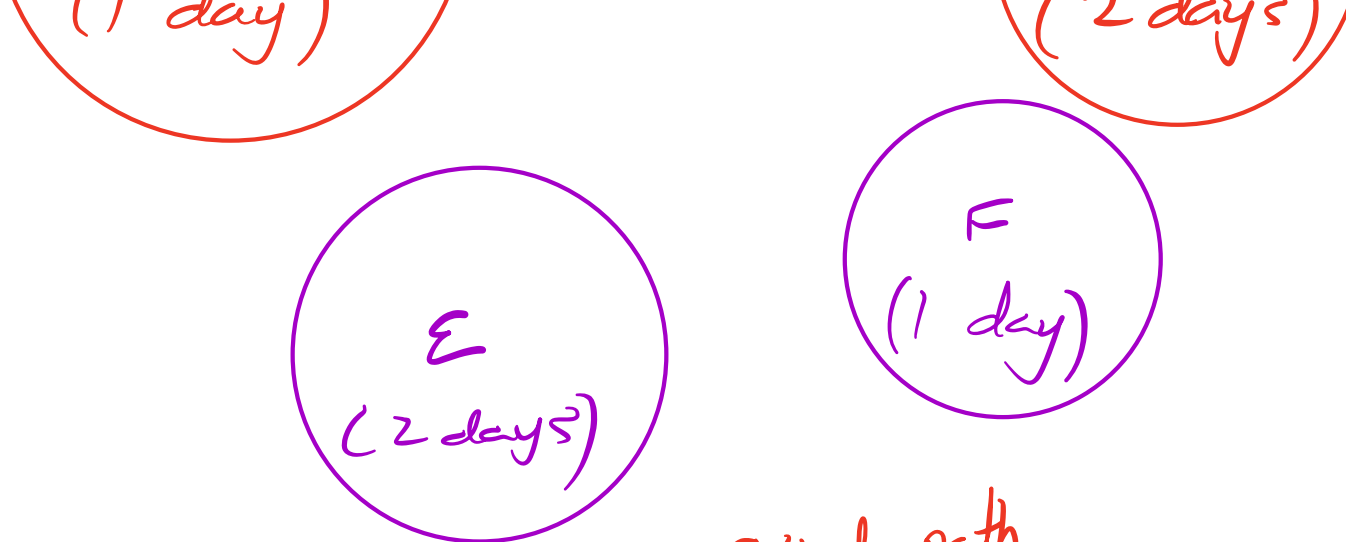
(1 day)

Critical path in red

Critical path

A + B

1 + 2 = 3 days.

So the total sprint time would be 3 days as the critical path is maximum 3 days for example if we take task A(1 Day) and task B (2 Days) which has the longest critical path A->B It is for 3 days and if we divide all the task evenly the sprint should take three days to complete. All the task would be individually assigned so it is efficient and done before the deadline. Only task A ->B and task C -> D are linked as it would take a day of research to figure out the best way to implement those features.