

CSCI814 IT Project Management (Lab5)

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In-class

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a

In MS Project, a predecessor is defined as a task which drives its successor task before it can start or finish. When scheduling projects, an individual task may have multiple predecessors linked to it.

b

- Finish to Start: Predecessor must finish before Successor can start.
- Start to Start: Predecessor must start before Successor can start.
- Finish to Finish: Predecessor must finish before Successor can finish.
- Start to Finish: Predecessor must start before Successor can finish.

c When the first activity finishes, a second activity starts. This is a Finish to Start sequence, and it is widely used in a network diagram. There are many instances when the second activity starts when the first activity is about to finish, or a second activity will start a few days after the end of the first activity. These two conditions are known as Lead and Lag.

d

Flexible constraints: Project can change the start and finish dates of a task. For example, the task Select locations to film can start as soon as possible. This type of flexible constraint is called As Soon As Possible, or ASAP for short, and is the default constraint type in Project. No constraint date is associated with flexible constraints.

Inflexible constraints A task must begin or end on a certain date. For example, a task, such as Set up lighting, must end on June 14, 2008. Inflexible constraints are sometimes called hard constraints. Semi-flexible constraints A task has a start or finish date boundary. However, within that boundary, Project has the scheduling flexibility to change the start and finish dates of a task. For example, a task such as Install props must finish no later than June 13, 2008. However, the task could finish before this date. Semi-flexible constraints are sometimes called soft or moderate constraints.

e a task in one of projects where the work needs to start, then stop somewhere in the middle of the task, and then resume at a later date.

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Lab5

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9		Author review of copyedit	10 days	Jun 11 '18	Jun 22 '18	8	Tad Orman, Copyeditors[25%]								
10		Copyedit incorp	5 days	Jun 20 '18	Jun 27 '18	9FS-2.5 days	Hany Morcos								
11		Handoff to Production	0 days	Jun 27 '18	Jun 27 '18	10	Hany Morcos								
12		<div>Task Information</div>													
13		<div>GeneralPredecessorsResourcesAdvancedNotesCustom Fields</div>													
14		Name: Copyedit incorp				Duration: 5 days	<input type="checkbox"/> Estimated								
15		<div>Predecessors:</div> <table><thead><tr><th>ID</th><th>Task Name</th><th>Type</th><th>Lag</th></tr></thead><tbody><tr><td>9</td><td>Author review of copyedit</td><td>Finish-to-Start (FS)</td><td>-2.5d</td></tr></tbody></table>						ID	Task Name	Type	Lag	9	Author review of copyedit	Finish-to-Start (FS)	-2.5d
ID	Task Name	Type	Lag												
9	Author review of copyedit	Finish-to-Start (FS)	-2.5d												

Fig. 3. b. Overlap task

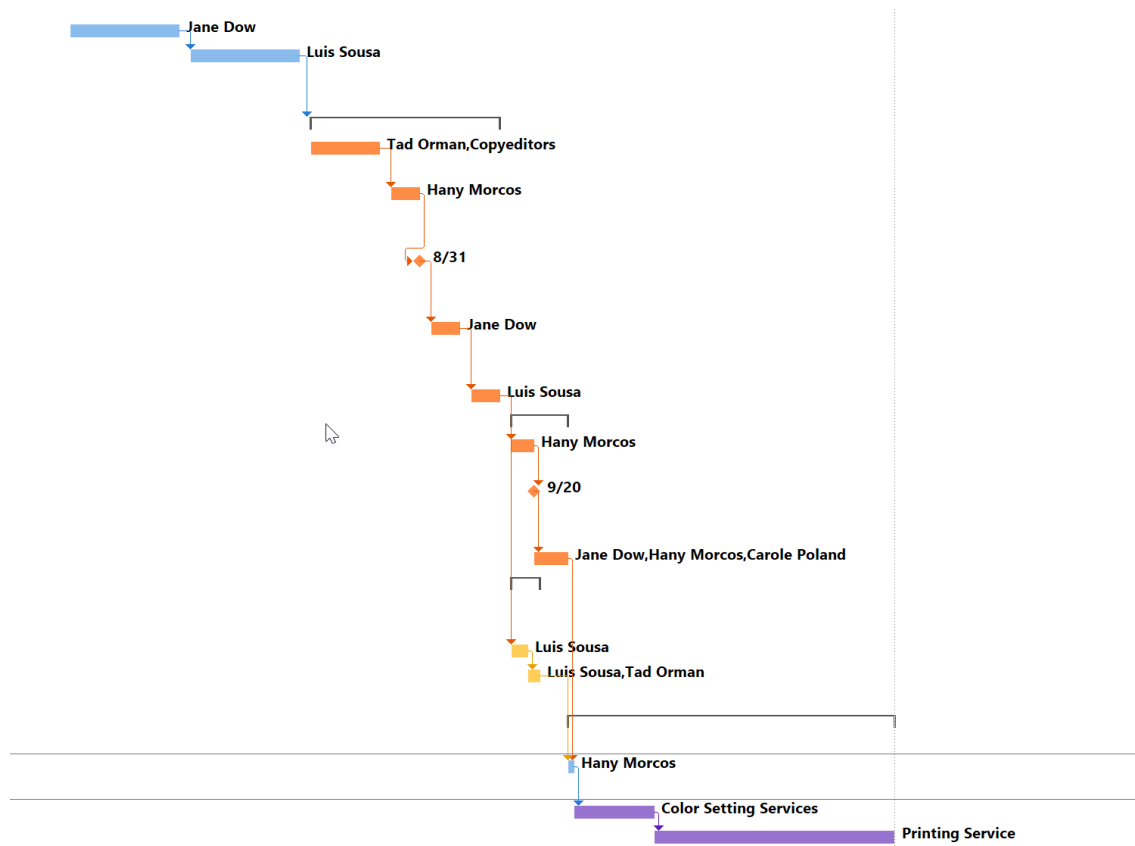


Fig. 1. a

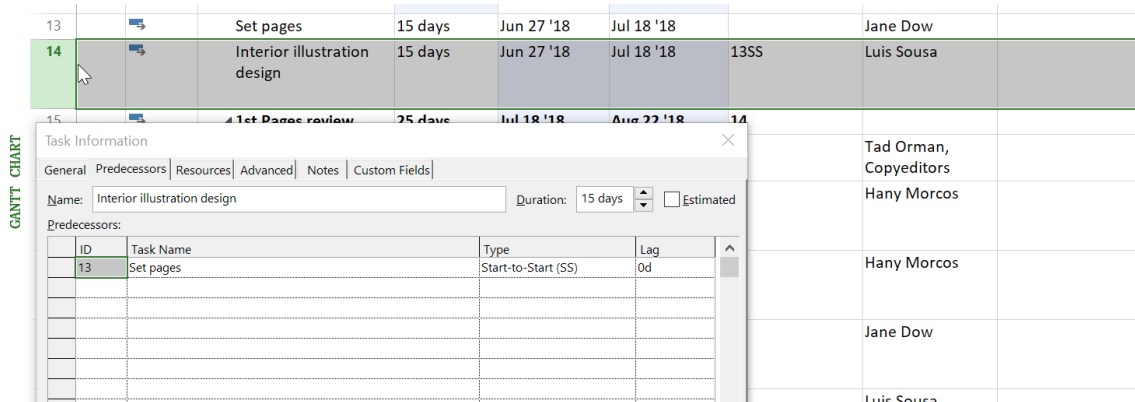


Fig. 4. c. Change task relationship

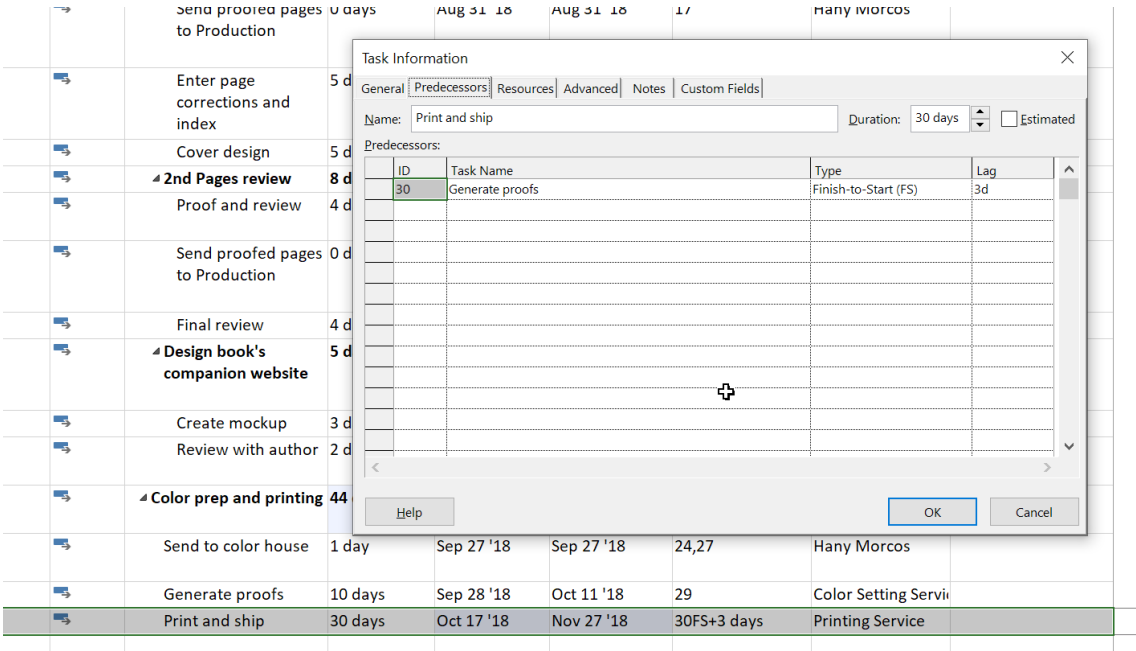


Fig. 2. a. Add lag time

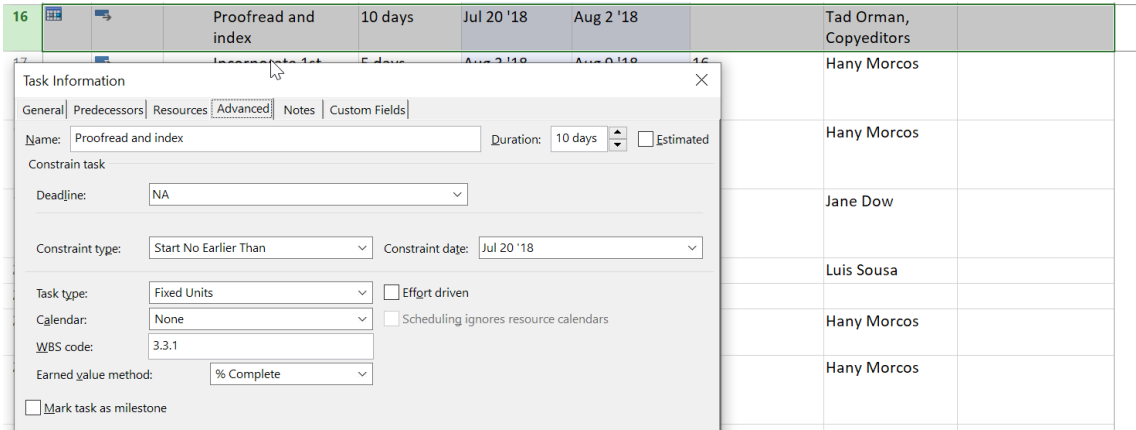


Fig. 5. d. Add Constraint

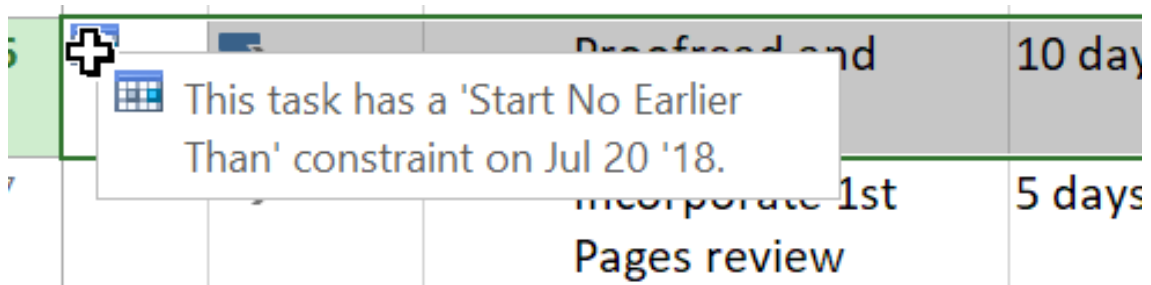


Fig. 6. e. See the constraint details

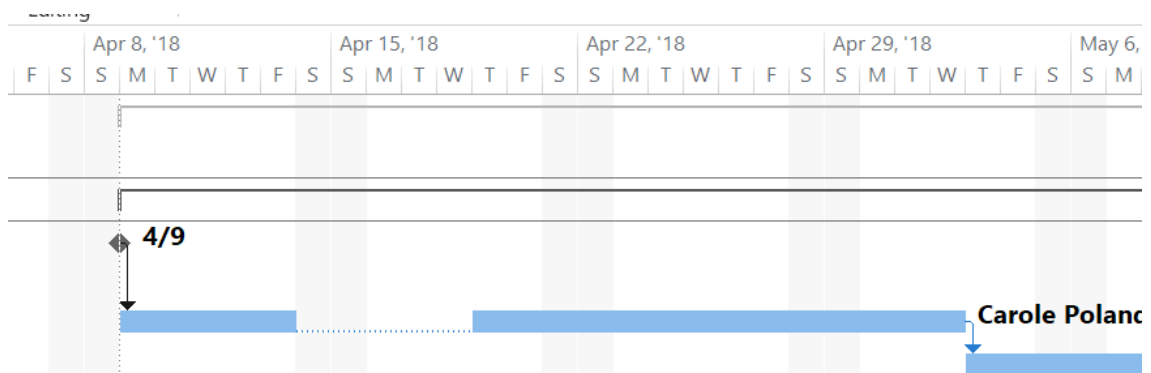


Fig. 7. f. Split task

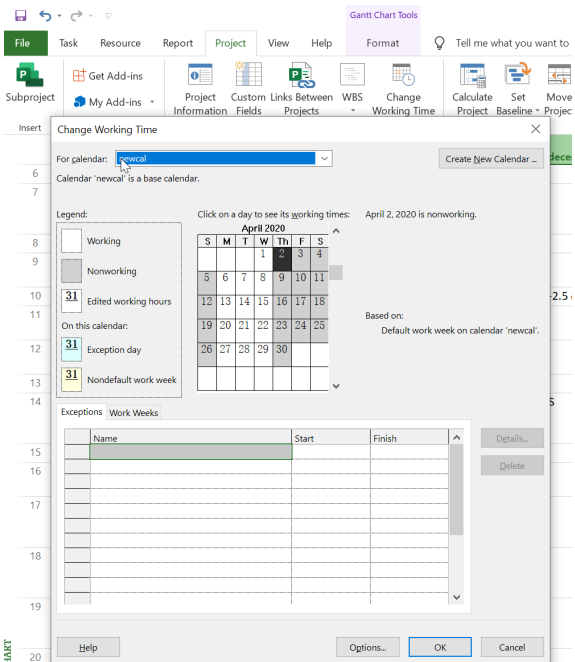


Fig. 8. g. Customize calendar

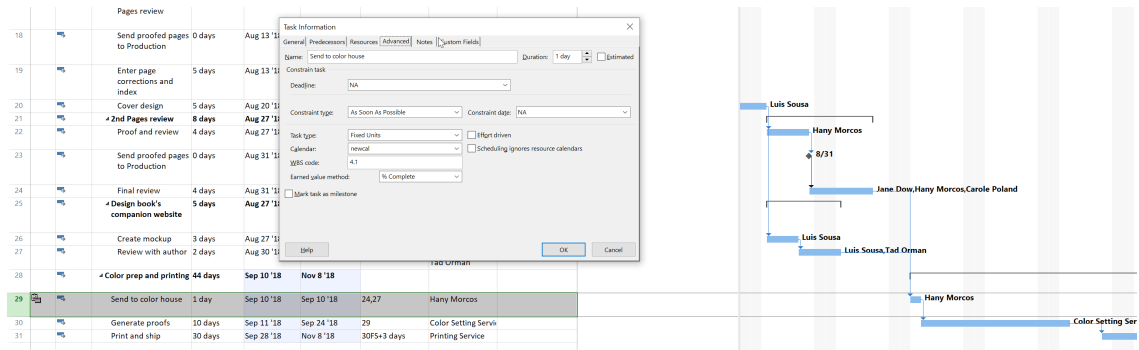


Fig. 9. h. Apply calendar to task

29	Send to color house	1 day	Sep 10 '18	Sep 10 '18	24,27	Hany Morcos
30	Generate proofs	10 days	Sep 11 '18	Sep 24 '18	29	Color Setting Servi

Fig. 10. i. calendar icon

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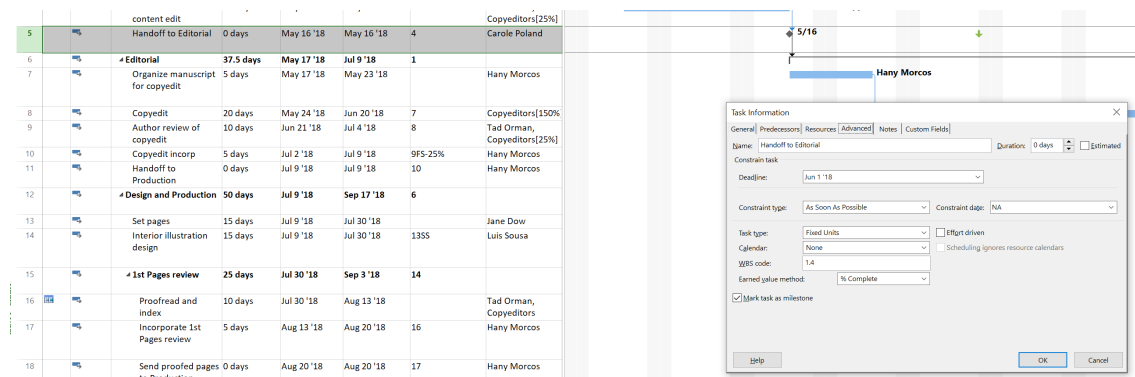


Fig. 11. a. deadline

29	Send to color house	\$0.00	Prorated
30	Generate proofs	\$0.00	End
31	Print and ship	\$0.00	Prorated

Fig. 12. b. Set the fixed cost to accrue

Recurring Task Information ✕

Task Name: Duration: ▲ ▼

Recurrence pattern

☐ Daily Recur every ▲ ▼ week(s) on:
 ☐ Sunday ☒ Monday ☐ Tuesday ☐ Wednesday
☐ Weekly
☐ Monthly ☐ Thursday ☐ Friday ☐ Saturday
☐ Yearly

Range of recurrence

Start: ✓ ☐ End after: ▲ ▼ occurrences
☒ End by: ▼

Calendar for scheduling this task

Calendar: ▼ ☐ Scheduling ignores resource calendars

task name	start	finish	duration	resource	cost	work	material	total
1 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14 Editorial staff meeting	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15 Acquisition	\$0.00	Prorated	\$7,200.00	\$0.00	\$7,200.00	\$0.00	\$7,200.00	\$7,200.00
16 Manuscript received	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17 Content edit	\$0.00	Prorated	\$6,300.00	\$0.00	\$6,300.00	\$0.00	\$6,300.00	\$6,300.00
18 Author review of content edit	\$0.00	Prorated	\$900.00	\$0.00	\$900.00	\$0.00	\$900.00	\$900.00
19 Manuscript received	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

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Fig. 13. c. Add recurring task