Collage of information technology

Software Department

Software Engineering Tools
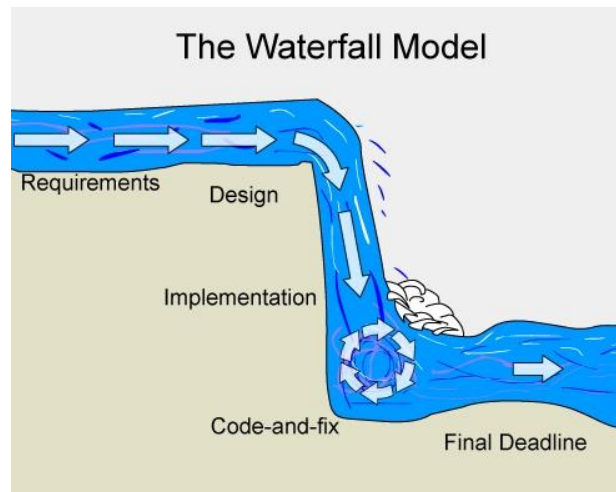
Using Pert Chart with Waterfall Methodology

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3rd Stage

Software Engineering

What is Waterfall development methodology?

There is a common Waterfall model definition. In general, Waterfall software development methodology is a sequential design process for project management. As each of the methodology stages is completed, the developers can move on to the next step.

PERT chart vs GANTT chart:

What's a Gantt Chart?

A Gantt chart is used to visually represent project schedules on a timeline. A typical online Gantt chart is broken up into two halves. Tasks are listed on the left side in a traditional spreadsheet fashion, but the timeline to the right offers a quick and easy way to understand the project schedule in its totality.

What's a PERT Chart?

Pert stands for Program Evaluation Review Technique and refers to the method of using a graphic to plot the tasks that must be done to complete a project. It uses arrows to show the tasks needed to reach an event, which are symbolized by nodes. A node represents a completed project phase. They're used to help estimate the time it'll take to complete tasks in a project.
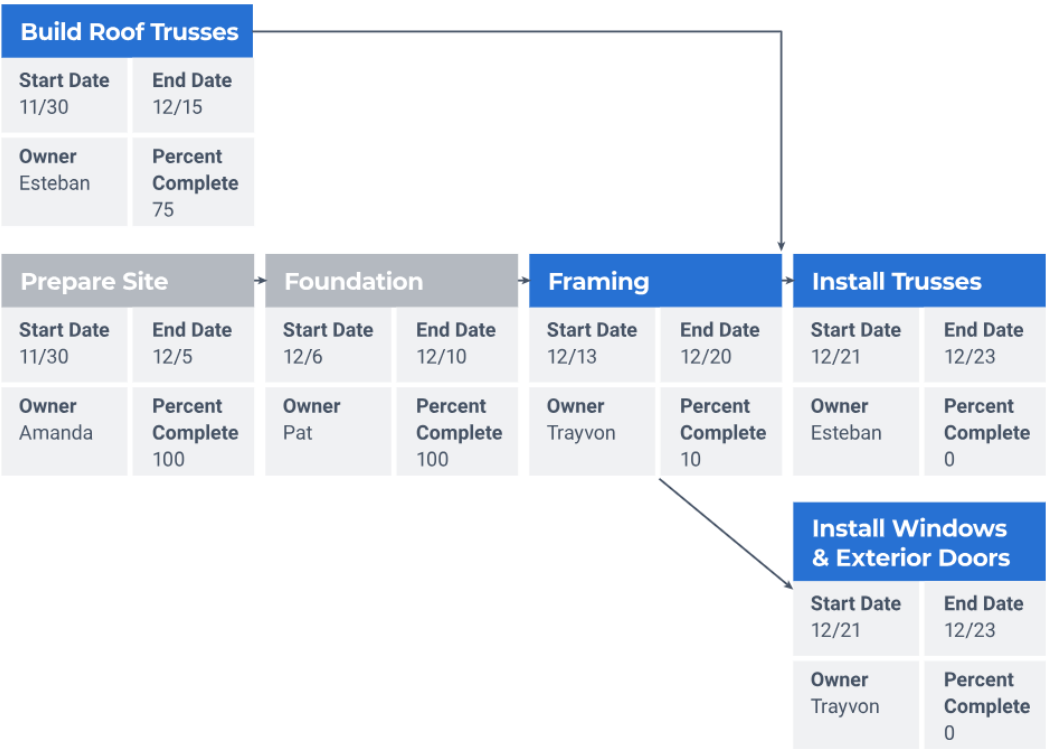
Can we use PERT chart instead of GANTT chart to represent waterfall methodology?

Yes, we are able to use a PERT chart or a Gantt Chart template with which may help us to visualize Waterfall methodology steps.

Example:

This is the PERT chart:

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Build Roof Trusses	
Start Date 11/30	**End Date** 12/15
Owner Esteban	**Percent Complete** 75

Prepare Site		Foundation		Framing		Install Trusses	
Start Date 11/30	**End Date** 12/5	**Start Date** 12/6	**End Date** 12/10	**Start Date** 12/13	**End Date** 12/20	**Start Date** 12/21	**End Date** 12/23
Owner Amanda	**Percent Complete** 100	**Owner** Pat	**Percent Complete** 100	**Owner** Trayvon	**Percent Complete** 10	**Owner** Esteban	**Percent Complete** 0

Install Windows & Exterior Doors	
Start Date 12/21	**End Date** 12/23
Owner Trayvon	**Percent Complete** 0

And this is the GANTT chart for the same example

Johnson House Construction