

# Software Construction & Development

## Fall 2025

### Assignment 2

**Due Date: Thursday October 16, 2025**

#### Event Scheduling

Implement GUI(s) for Project Planning application built in Assignment-1. Following requirements are mandatory:

1. A form to create a project, add tasks and resources. Default display shall be in tabular form and user can add tasks / resources either directly or upload file (as implemented in Assignment-1). A mockup is suggested below:

[New] [Save] [Close]

Project: \_\_\_\_\_

[Upload Tasks] [Upload Resources] [Analyze] [Visualize]

Id	Task	Start	End	Dependencies	Resources
1	Initial research and analysis	20250915+0800	20251010+1800		Ahmed* Ayesha* Mariam
2	Develop program content and materials	20251013+0800	20251031+1159	1	Ayesha* Mariam
3	Infrastructure planning	20251013+0800	20251017+1800	1	Ahmed
4	Infrastructure setup and review	20251020+0800	20251031+1800	3	Ahmed
5	Program rollout	20251103+0900	20251215+1700	2, 4	Ahmed* Mariam

\* Resources with partial allocation

2. Analyze option shall support different analysis possibilities, as implemented in Assignment-1:

Analyze: (\*) Project completion time and duration  
( ) Overlapping tasks  
( ) Resources and teams  
( ) Effort breakdown: Resource-wise

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3. Visualize option shall represent project tasks in a visual format. Gantt Charts<sup>1</sup>, Project Network / Activity Diagram<sup>2</sup>, or other suitable representations can be considered. Any one visual representation will suffice.
4. Integrate all these GUIs in an easy-to-navigate application.

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1 [https://en.wikipedia.org/wiki/Gantt\\_chart](https://en.wikipedia.org/wiki/Gantt_chart)

2 [https://en.wikipedia.org/wiki/Project\\_network](https://en.wikipedia.org/wiki/Project_network)