



Software Project Management Lab 3

Faculty of Engineering and Applied Science

SOFE 3450U: Software Project Management | CRN: 74013 | Section: 001

Due: March 5th, 2024

Group 4

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Estimated Effort: Using CoCoMo Model

Project type: Semi-detached

Approximated/estimated 3000 lines of code => 3 KLOC

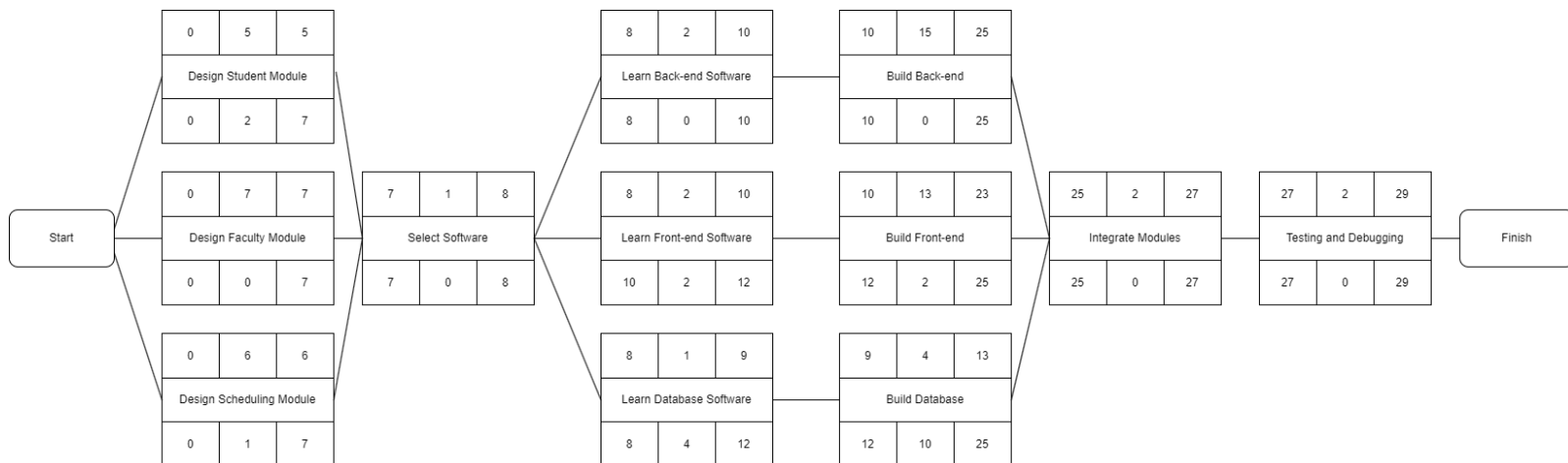
Estimate effort calculation:

$$E = a(KLOC)^b = 3.0(3)^{1.12} = 10.27 \text{ person-months}$$

Therefore, E = 10.27 person-months

Note: with three people working on the project the elapsed time should be approximately 3.42 months.

Activity Diagram



Risk Assessment

Risks:

- Time constraints: need to complete project design and demo by April 2nd
- Lack of productivity due to: burnout, work overload, time and effort constraints from other courses/personal life
- Personnel constraints: only three people are on the team, emergency and personal situations can disrupt planned timeline and workflow

Countermeasures:

- Minimize functionality of demo deliverables to be a manageable scope
- Manage weekly deliverable goals
- Increase communication between team members, make sure all are involved and understand each other's parts in case one has an emergency another can take over their part.
- Increase meetings to maximize collaborations and communication for certain tasks in activity network

Github Repository Link:

<https://github.com/Mostafa-Abedi/Scheduling-Feedback-Management>