

UOIT

Software Project Management: Lab 3

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1) Estimated Effort

Basic Model for Effort Measured in Person-Months:

$$E = a(KLOC)^b$$

Organic: $a = 2.4$, $b = 1.05$

Semi-Detached: $a = 3.0$, $b = 1.12$

Embedded: $a = 3.6$, $b = 1.20$

Assumptions:

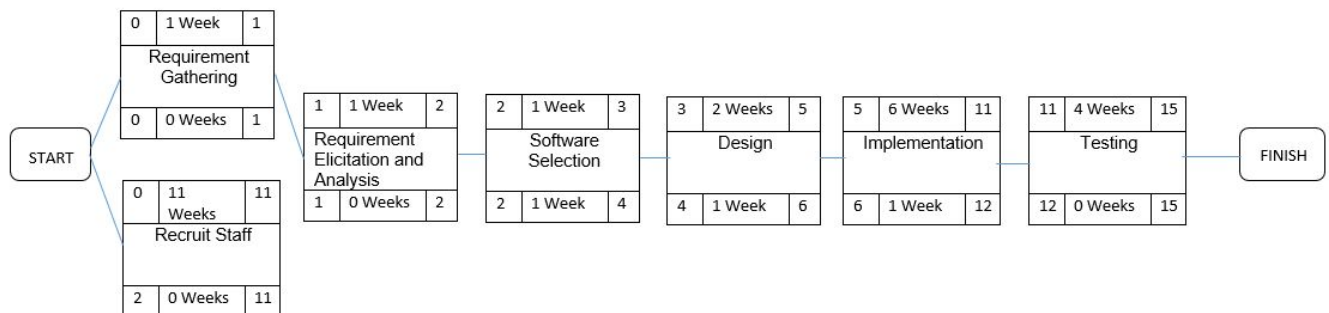
- System for UberRUSH is organic
- There will be 8000 lines of code to implement UberRUSH

Calculation:

$$E = 2.4(8)^{1.05}$$

$E = 21.3$ Person-Months

2) Activity Diagram



3) Risks

Change in requirements later in the development process is a risk that can be faced and would have a significant cost effect on the project. The later in the development phase a major change in the requirements is made, the more it would cost to fix it, and it could delay the final submission of the project. To avoid major changes in the requirements, enough time should be spent on requirements gathering, elicitation, and the analysis phase. This would make sure of the requirements that are needed and would reduce the risk of them changing later.