

Requirements and Specification, ESOF 328, Spring 2022

First things first: Setting requirement priorities, Chapter 16, ~~March 11~~ March 21

Importance of prioritizing requirements:

- Deliver maximum business value as quickly as possible
- Provide highest value at lowest cost
- Can't do it all (at least not all at once)

Choose an appropriate level of abstraction for the prioritization

- Features
- Use cases or user stories (or could prioritize alternative flows lower)
- Functional requirements

Could first prioritize features, and then prioritize requirements within high priority features.

Prioritization issues:

1. Relative importance of requirements to the customers
2. Timing at which capabilities need to be delivered
3. Requirements that serve as predecessors for other requirements and requirements that must be implemented as a group
4. The cost to satisfy each require

Simplest prioritization method:

- In or out
- Pairwise comparison and rank ordering
- Three level scale – high, medium, low but better work with two dimensions such as important and urgent. Rubrics help.
- MoSCoW – Must, should, could, won't
- \$100 – each person has \$100 and allocates dollars
- Prioritization based on value, cost and risk
 - Everything uses a 1-9 (high) scale
 - Customers rate the items by benefit/value and penalty (cost if this item is not included)
 - Developers rate the items by relative cost to implement and technical risk. Weigers provides a spreadsheet that performs the calculations (https://katie.mtech.edu/classes/esof328/page_wiegers.php see “Project Prioritization Spreadsheet.”)
 - The relative weights of the 4 items can be changed.