

First things first: Setting requirements priorities

Chapter 16

Prioritize On

Prioritization can be on:

- Customer value
- Business value
- Business or technical risk
- Cost
- Difficulty to implementation
- Time to market
- Regulatory compliance

Vignette

What did they decide to prioritize in the Chemical Tracking System?

What were they prioritizing on?

Prioritization based on importance and urgency

	<i>Important</i>	<i>Not So Important</i>
<i>Urgent</i>	High Priority	Don't Do These!
<i>Not So Urgent</i>	Medium Priority	Low Priority

FIGURE 16-1 Requirements prioritization based on importance and urgency.

Sample Prioritization Matrix

TABLE 16-1 Sample prioritization matrix for the Chemical Tracking System

Relative weights		2	1			1		0.5		
Feature		Relative benefit	Relative penalty	Total value	Value %	Relative cost	Cost %	Relative risk	Risk %	Priority
1.	Print a material safety data sheet.	2	4	8	5.2	1	2.7	1	3.0	1.22
2.	Query status of a vendor order.	5	3	13	8.4	2	5.4	1	3.0	1.21
3.	Generate a chemical stockroom inventory report.	9	7	25	16.1	5	13.5	3	9.1	0.89
4.	See history of a specific chemical container.	5	5	15	9.7	3	8.1	2	6.1	0.87
5.	Search vendor catalogs for a specific chemical.	9	8	26	16.8	3	8.1	8	24.2	0.83
6.	Maintain a list of hazardous chemicals.	3	9	15	9.7	3	8.1	4	12.1	0.68
7.	Change a pending chemical request.	4	3	11	7.1	3	8.1	2	6.1	0.64
8.	Generate a laboratory inventory report.	6	2	14	9.0	4	10.8	3	9.1	0.59
9.	Check training database for hazardous chemical training record.	3	4	10	6.5	4	10.8	2	6.1	0.47
10.	Import chemical structures from structure drawing tools.	7	4	18	11.6	9	24.3	7	21.2	0.33
Totals		53	49	155	100.0	37	100.0	33	100.0	