

Technical Feasibility

- Is the proposed technology or solution practical?
- Do we currently possess the necessary technology?
- Do we possess the necessary technical expertise, and is the schedule reasonable?
- Is relevant technology mature enough to be easily applied to our problem?
- Some firms like to use state-of-the-art technology, but most firms prefer to use mature and proven technology.
- A mature technology has a larger customer base for obtaining advice concerning problems and improvements.
- Assuming that required technology is practical, is it available in the information systems shop? If the technology is available, does it have the capacity to handle the solution.
- If the technology is not available, can it be acquired?

Technical Alternatives

- You should be fairly high level in this phase
- Though you will need to consider the alternatives carefully for the cost/benefit analysis

Technical Alternatives - software

Note: make sure to click on the links in this page and read the web pages

■ Tools:

- Operating Systems e.g. Windows family, Linux-based, Symbian...
- IDE e.g. Visual studio, Eclipse...
- Database e.g. MS SQL-Server, PostgreSQL, MySQL...
- Email Server e.g. MS Exchange, QMail...
- Web Server [Wikipedia \(examples\)](#)
- Application Server [Wikipedia](#)
- Message Queue Server [Wikipedia](#)
- Specialized programs
 - Rule Engine ([Wikipedia](#))
 - Vision Software ([examples](#))
 - GIS ([Wikipedia](#), [examples: SAGA GIS](#))
 - PLC/CRMS/Issue-Tracking ([Wiki CRMS](#), [Wiki PLC](#), [Wiki Issue Tracking](#), [examples: bugzilla](#))
 - CMS ([Wikipedia](#), [examples: joomla](#), [drupal](#))
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- Software Components see <http://www.componentsource.com>
E.g. bar code reader library, charting library,....

Technical Alternatives - hardware

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■ Tools

- Server e.g Intel-based
- Desktop Workstation, NetBooks, ...
- Networking routers, cables, etc...
- Generic hardware Sensors (motion/light/chemical/proximity...) + Analog to Digital Converter Card
examples: [Phidgets](#), [Barcode scanners](#),
[Point-of-sale terminals](#), [Security Cameras](#)
....
- Custom Hardware Microchip-based/
ATMEL-based/
Freescale-based... N-layer board