

Resource Needs

Human Resource Needs		
Need	Resource	Comments/Responsibilities
Project Managements		
Requirements		
Requirements		
Consultation with domain expert		
Consultation with topic expert		
Training on use of component/technology		
Overall Design		
Detailed UI Design		
Detailed Database Design		
Development		
Development		
Development		
Technical writing		
QA Planning		
QA Testing		
Release Engineering		

Capital Needs			
Need	Resource	Amount	Comment
Training materials			
Development Workstations			
Development DB Server			

Interactive Testing Workstations			
Load Test Server			
Load Test Clients			
Automated Testing Slave			
Testing DB Server			
IDE Licenses			
SCM Licenses			
Testing Tool Licenses			
Software component			
Software component			

Does this project need more than a few days work?

Yes. A project manager role is needed to oversee the project.

Are the requirements already completely defined and validated?

No. Effort is needed for requirements.

What aspects of the system need to be designed?

General design. Group developer effort needed.

User interface. UI designer and domain experts effort needed.

Database design. Developer and DBA effort needed.

Security design. Developer and topic expert effort needed.

Other design. Developer, domain, and/or topic expert effort needed.

Does the project plan include any new development?

Yes. Development resources are needed.

Does the project plan include complex configuration of existing components?

Yes. Component expert needed. Also need time to coordinate with development and operations teams.

Does the development team have knowledge of all tools, components, and technologies to be used?

No. Effort needed for training. Need training materials, courses, or time with experts or mentors. List specific training needs individually.

Is the entire development team have an agreed upon software development methodology?

Yes. But, effort is needed to refine the methodology to the project at hand.

Does the project plan include end-user documentation?

Yes. Technical writing resources must be allocated.

What is the complexity of the internal documentation?

Average. Developers can produce technical documents as they go.

Will the technical support, training, operations, or services groups deal with the product of this project?

No. Effort put into producing good technical documentation should be enough.

Will the product of this project be sold to customers, directly or indirectly?

Yes. The full SDM must be followed, including effort by a change control board and release engineering.

Does the QA plan call for the running of automated unit tests?

Yes. Development effort will be needed to implement unit tests.

Does the QA plan call for more than the running of automated unit tests?

No. Unit tests will be enough for this component, full QA can be done on products that use this component.

How many development workstations will be needed?

1 per developer, plus extra for...

What development servers are needed?

One for the whole team.

What database servers are needed?

One for the developers, one for QA.

What machines are needed for automated testing?

One for one aspect of nightly automated tests, another for another aspect.

What machines are needed for load testing?

Several machines needed to act as clients and servers.

What development tools must be licensed for this project?

Some tools: IDE, database, testing tools. Budget must be allocated to purchase these tools. Effort must be allocated to research and select tools for purchase, install, and configure them.

What software components must be licensed for this project?

Some components: database, server software, libraries. These components have already been selected, purchased, installed, and configured.

Are any of the personnel assignments or capital allocations conditional?

Yes. All such conditions are written in the comments column above. We have a contingency plan that will still achieve (an acceptable subset) of the project goals.

Have these resource assignments been communicated to the people being assigned and their managers?

No, this is a risk that is noted in the Risk Management section