

# Project

The project is based on the Georgia Tech Library (GTL) case. The system developed should be a working prototype with UI, business logic and a (heavy) database access layer.

Topics to take into consideration.

## Choose a test strategy based on your project initiation document

Choose a test strategy and test approach. Look in chapter 5 in ISTQB for inspiration to test approaches.

## Based on your test strategy and project initiation document:

### Risks analysis

You only have a limited set of resources. What is most important to test? Create a risk analysis. Consider both product based and project based risks.

### Decide which test techniques are relevant

Based on your strategy, test approach, risk analysis, budget, development method, desired quality etc. Decide which test techniques are most important for you.

### Plan your tests

Create a test plan. Test plans can vary in size and scope. You may look for inspiration in the test management slides and chapter 5 ISTQB.

### Ensure that your system is tested and that you have adequate test coverage

Execute and document your tests. Make sure that you have defined your criteria for when to stop testing.

### Decide your level of test automation

How much should be automated? Can you automate everything? What tools will you use for automation and how do the tools support your test strategy?

### Ensure traceability from requirements to delivery

Can you trace every defect back to requirements? If your customer calls in an incident in the system. How do you find it? If a manager wants to know to which extend a requirement has been tested, how will you know?

### Design a testable system

Create an architecture (and document it) that ensures you can test your system at different levels.

### Test control

How will you monitor, integrate, evaluate and control the test progress into the product's development life cycle? You want to make sure, that you (at least) keep track of the tests you have identified as the most important to ensure the product's quality.