Activity 4: testing plan

Your test plan should list all the tests you will carry out for all the tables, queries and forms.

Test plans checklist

✓ Create your test plans at the design stage, although you won't do the actual testing until you have developed the database.

✓ List the tests using the template provided in the 'Test log and evaluation document'.

✓ Include tests for the validation you have added to the fields in each table.

✓ Also include tests to check that the forms and queries work as they should.

Test data checklist

✓ In your test data for numeric fields, include normal, extreme (testing the limits of allowed values) and erroneous (totally wrong) data.

✓ In your test plans for forms, include tests for any buttons you have added.

✓ In your test plans for queries, include tests for different criteria values.

🔗 **Links** To revise test plans and data testing, see page 65.

Sample response extract

Use the 'Test log and evaluation document' provided to create your test plan, adding rows as necessary.

This sample answer shows part of a learner's test plan for the Member table. It is based on the data dictionary on page 82.

Test plan for the Member table ⬅

Test No.	Purpose of test	Test data	Expected result	Actual result	Comment/actions
	Tests for the Member table, Age field				
1	Normal data	28	Accepted		
2	Extreme data	18	Accepted		
3	Extreme data	17	Rejected		
4	Extreme data	99	Accepted		
5	Extreme data	100	Rejected		
6	Erroneous data	Twenty	Rejected		
	Tests for the Member table, Gender field				Implemented using a lookup table
1	Normal data	M	Accepted		
2	Normal data	F	Accepted		

The extreme values test the boundaries of what is accepted and rejected. ⬅

Because this field is implemented using a lookup table, only the values M and F can be selected.

Remember to leave the 'Actual result' column blank at design stage. When completing the assessment, have a version of your test plan in the design section with no actual results. Then when you have developed the database, make a copy of the table and fill in the actual results.

Now try this

Create test plans for the Mentor and Weigh-in tables.