

Test Strategy Guidelines

This version along with other versions should be reworked into your own words so that you show a constructive and pre-planned attempt to provoke the system to fail.

This may include:-

- Prototyping
 - To explore the feasibility of the design concepts to see if they practically work and are an efficient way of dealing with each sub problem
- Creation Testing
 - As every table (including all fields), query, report, form, macro, switchboard is created it will be quickly tested with normal data to see if it works as designed / planned.
- Whole System Testing
 - Data Entry Testing. The data entry (via all fields in every form / table) will be tested with normal, boundary and extreme data. Expected results will be predict before the test is carried out.
 - Process Testing. Checking the results of every piece of output (form / report) gives the expected result from a given starting point. This will include normal, boundary and extreme starting points. (This will ensure all macros and queries work as planned).
 - Functional Testing. Every link will be tested. That is switchboard option paths and all buttons on forms go to the expected location or run the correct process (macro / update query)
- End User Testing
 - State the occasion(s) when the End User will see the solution and be able to comment. This may suggest further changes / developments.

Sample Test Plan with Tests ungrouped & incomplete.

No.	Requirements	Type	Test Data	Expected Output
001	Every menu navigation button leads to the menu, sub-menu, form, report or search box.	Normal	Click button	Menu, sub-menu, form, report or search box opens
002	All customer fields accept the normal data.	Normal	Title: Mr Forename: Harry Surname: Bailey Address line 1: 55 North Street	Title: Mr Forename: Harry Surname: Bailey Address line 1: 55 North Street

			Address line 2: Falmouth Postcode: FA10 1NS Telephone (home): 01565789456 Telephone (mob): 07890252565 Email Address: hb07@hotmail.com Preferred contact line: Tel.Home	Address line 2: Falmouth Postcode: FA10 1NS Telephone (home): 01565789456 Telephone (mob): 07890252565 Email Address: hb07@hotmail.com Preferred contact line: Tel.Home
003	Fields accept extreme data.	Extreme	Title: Acting Lance Corporal Forename: Qwerty Surname: Qwerty Address line 1: 987654 Qwerty Pines Address line 2: Qwerty-Townville Postcode: ZZ900ou Telephone (home): 999 Telephone (mob): 999 Email Address: waho0987@dogpile.mg Preferred contact line: Anything	Title: Acting Lance Corporal Forename: Qwerty Surname: Qwerty Address line 1: 987654 Qwerty Pines Address line 2: Qwerty-Townville Postcode: ZZ900ou Telephone (home): 999 Telephone (mob): 999 Email Address: waho0987@dogpile.mg Preferred contact line: Anything
004	Fields refuse boundary data and warnings appear to tell the user that the data is invalid.	Boundary	Title: 789 Forename: 12345 Surname: 12345 Address line 1: 101112 Address line 2: 45678 Postcode: +_/*= Telephone (home): home number Telephone (mob): mob number Email Address: blahblahnotatdogpiledotcom Preferred contact line: 12345	Error messages as data is inputted in each field and no data goes in.
005	Navigation buttons no as they say they will do. i.e. take you to the first, last, etc records.	Normal	Previous button takes form to previous record, next button takes form to next, first button takes form to first record, last button takes form to last record, new button	Previous button takes form to previous record, next button takes form to next, first button takes form to first record, last button takes form to last record, new button takes form to blank record, close button

			takes form to blank record, close button closes the customer form.	closes the customer form.
006	Current and Past orders open the order form with records paid or unpaid appropriately and for only the customer displayed in the customer form.	Normal	Current orders button opens order form with records currently not paid for the customer displayed in the customer form. Past orders button opens order form with records that have been paid for the customer displayed in the customer form.	Current orders button opens order form with records currently not paid for the customer displayed in the customer form. Past orders button opens order form with records that have been paid for the customer displayed in the customer form.
007	The delete customer button opens a box to ask the user the wish to delete the customer and all of their orders they have made.	Normal	Yes or No box opens and customer and orders are deleted if yes is selected, if no is selected they are not.	Yes or No box opens and customer and orders are deleted if yes is selected, if no is selected they are not.
008	All staff fields accept normal data.	Normal	Title: Mrs Forename: Pauline Surname: Bradley Address line 1: 46 Droom Gardens Address line 2: Edinburgh Postcode: E5 6DR Email Address: pb06@hotmail.co.uk Telephone (home): 01666336316 Telephone (mob): 07799336316 Preferred contact line: Tel.Home Currently Active: Yes Postcodes delivered to 1: A1 Postcodes delivered to 2: B2 Postcodes delivered to 3: CD34 Postcodes delivered to 4: Postcodes delivered to	Title: Mrs Forename: Pauline Surname: Bradley Address line 1: 46 Droom Gardens Address line 2: Edinburgh Postcode: E5 6DR Email Address: pb06@hotmail.co.uk Telephone (home): 01666336316 Telephone (mob): 07799336316 Preferred contact line: Tel.Home Currently Active: Yes Postcodes delivered to 1: A1 Postcodes delivered to 2: B2 Postcodes delivered to 3: CD34 Postcodes delivered to 4: Postcodes delivered to 5:

			5:	
009	Staff fields accept extreme data.	Extreme	Title: Acting Lance Corporal Forename: Qwerty Surname: Qwerty Address line 1: 987654 Qwerty Pines Address line 2: Qwerty-Townville Postcode: ZZ900ou Telephone (home): 999 Telephone (mob): 999 Email Address: waho0987@dogpile.mg Preferred contact line: Anything Currently Active: Unknown Postcodes delivered to [1,2,3,4&5]: ZZ900io	Title: Acting Lance Corporal Forename: Qwerty Surname: Qwerty Address line 1: 987654 Qwerty Pines Address line 2: Qwerty-Townville Postcode: ZZ900ou Telephone (home): 999 Telephone (mob): 999 Email Address: waho0987@dogpile.mg Preferred contact line: Anything Currently Active: Unknown Postcodes delivered to [1,2,3,4&5]: ZZ900io
010	Staff fields refuse boundary data and a warning appears that the data is invalid.	Boundary	Title: 789 Forename: 12345 Surname: 12345 Address line 1: 101112 Address line 2: 45678 Postcode: +_/*= Telephone (home): home number Telephone (mob): mob number Email Address: blahblahnotatdogpiledotcom Preferred contact line: 12345 Currently Active: 42 Postcodes delivered to [1,2,3,4&5]: +_/*=	Warnings appear as the data is inputted to tell the user that the data is invalid, no data goes in.
011	Navigation buttons take you to previous, next, etc records.	Normal	Previous button displays previous record, next button displays next record, first button displays first record, last button displays last record, new button displays blank new record, close button closes staff form.	Previous button displays previous record, next button displays next record, first button displays first record, last button displays last record, new button displays blank new record, close button closes staff form.

012	Current and past order buttons open current and past order forms with data paid or unpaid as appropriate for the member or staff shown in the staff form.	Normal	Current order button opens order form with orders that are unpaid for the currently selected member of staff. Past order button opens order form with orders that are paid for the currently selected member of staff.	Current order button opens order form with orders that are unpaid for the currently selected member of staff. Past order button opens order form with orders that are paid for the currently selected member of staff.
-----	---	--------	--	--

To Test Queries / Processes

You should supply 2 or 3 sample sets of data and list what you expect the Output to be of each process.

For example:

Process to find all males in ascending order of Age, outputting Name & Dob only.

Test Data Set 1

Surname	First	Chosen	DoB	Gender	YearGroup	Tutor
Abbott	Jamie	Jamie	20-Oct-84	M	12	LHN
Bailey	Edward	Edward	16-Jan-85	M	12	HKS
Barber	Christopher	Chris	19-Nov-84	M	12	PHS
Bateman	Thomas	Tom	14-Sep-84	M	12	JLW
Bell	Jonathan	Jonathan	01-Feb-85	M	12	TGM
Blackburn	Edward	Edward	05-Mar-85	M	12	GK
Bond	Alice	Alice	26-May-85	F	12	TWL
Boorman	Edward	Edward	01-Oct-84	M	12	JLW
Boss	Edward	Edward	02-Apr-85	M	12	BH
Bowles	William	William	09-Apr-85	M	12	TGM

Should produce...

Surname	First	Chosen	DoB
Bowles	William	William	09-Apr-85
Boss	Edward	Edward	02-Apr-85
Blackburn	Edward	Edward	05-Mar-85
Bell	Jonathan	Jonathan	01-Feb-85
Bailey	Edward	Edward	16-Jan-85
Barber	Christopher	Chris	19-Nov-84
Abbott	Jamie	Jamie	20-Oct-84
Boorman	Edward	Edward	01-Oct-84
Bateman	Thomas	Tom	14-Sep-84