



▶ Pocket Dyalog

▶ PocketACT Sample

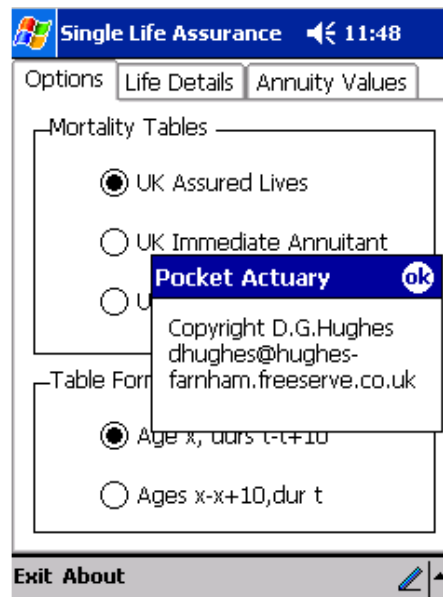
### Pocket Actuary

PocketACT was developed from the ACTFNS.DWS workspace supplied as a demo workspace to Dyalog by David Hughes. (dhughes@hughes-farnham.freemove.co.uk)

The workspace was first converted to run as a Web Page under Dyalog.Net and this was the starting point for PocketACT. The conversion to Pocket Dyalog took about 4 hours.

The user-interface provides three tabbed SubForms labeled *Tables*, *Life Details* and *Annuity Values*. The user may Exit the application or display the Copyright Notice by clicking *Exit* or *About* on the menu bar.

### Options



The *Options* tab allows the user to select one of three different sets of Mortality tables, and to specify the format in which the Annuity Values table is displayed.

When the user selects this tab, a callback function executes `ShowSIP 0` to hide the SIP.

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## Pocket Actuary

### Life Details

Single Life Assurance 11:48 ok

Options Life Details Annuity Values

Mortality Table A1967-70(2)selec

Interest Rate 3.25

Initial Age 30

Initial Duration 0

Endowment Term 10

ABC abc 123

Exit About

The *Life Details* tab allows the user to enter various details and assumptions concerning the life assurance policy.

This screen is designed to leave space below the input fields to accommodate the SIP. When the user selects this tab, a callback function executes *ShowSIP 1* to display the SIP ready for user input.

### Annuity Values

Single Life Assurance 11:48 ok

Options Life Details Annuity Values

x	t	x+t	$\ddot{a}[x]+t$	$A[x]+t$	$\ddot{a}[x]+t:r$
30	0	30	23.7359	0.25286	8.6708
30	1	31	23.4851	0.26075	7.9236
30	2	32	23.2292	0.26881	7.1527
30	3	33	22.9677	0.27704	6.3571
30	4	34	22.6984	0.28552	5.5353
30	5	35	22.4214	0.29424	4.6864
30	6	36	22.1365	0.30321	3.8095
30	7	37	21.8439	0.31242	2.9035
30	8	38	21.5436	0.32187	1.9674

Exit About

The *Annuity Values* tab allows the user to view the result table.

When the user selects this tab, a callback function runs the calculations and updates the Grid which is used to display the table. It also executes

*ShowSIP 1* to hide the SIP.