



- ▶ Pocket Dyalog
- ▶ DAN Sample

DAN - a powerful general-purpose network solver

The City menu displays a list of subway systems. In this case, the London underground is selected.

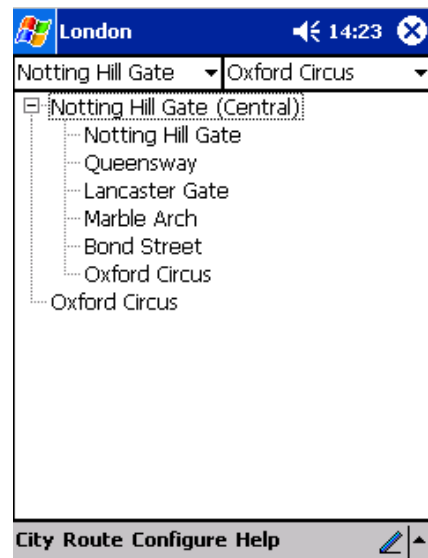
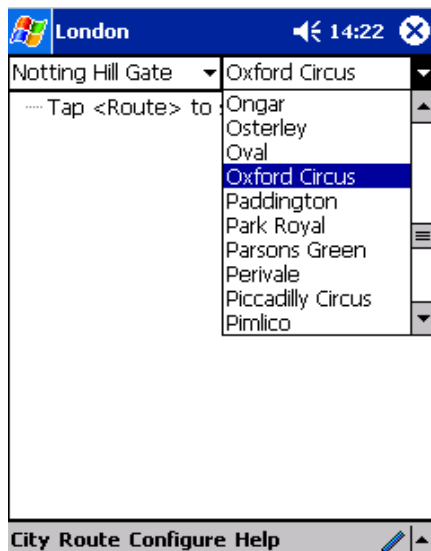
The screen-shot shows the recommended underground route between London Heathrow and Mornington Crescent.



DAN - How the application is used

The two combo boxes at the top of the screen allow the user to select the start and end points of the trip. In this case, the user wants to travel from Notting Hill Gate to Oxford Circus.

Having changed the origin and destination, the user taps *Route*. In a trice, the system calculates and displays the best route between these stations. In this case, the answer is somewhat trivial.



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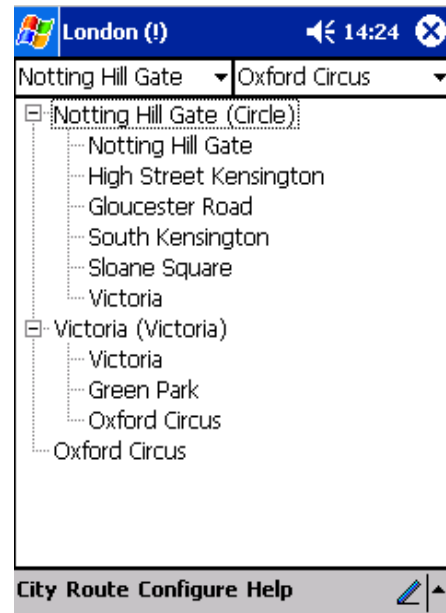
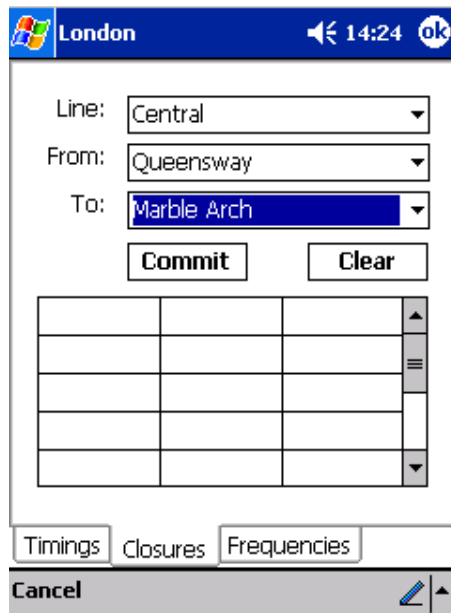
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DAN - The Configuration Dialog

The *Configure* dialog box contains three SubForms labeled *Timings*, *Closures* and *Frequencies*.

The *Timings* tab allows you to specify the average time it takes to change from one line to another, and the average time it takes to travel from one station to another on the same line.

The *Frequencies* tab allows you to specify the frequency of trains on each of the different lines. This screen uses a Dyalog APL Grid.



DAN - Advanced

The *Closures* tab allows you to specify a set of line closures. In this case, the user is specifying that the Central line is closed between Queensway and Marble Arch.

Pressing *Commit* will add this constraint to the list of closures which are displayed in the Grid below. Clicking *OK* will close the *Configure* dialog box and return to the main DAN screen

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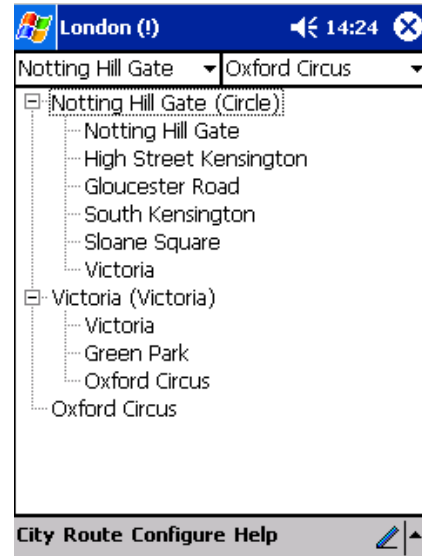
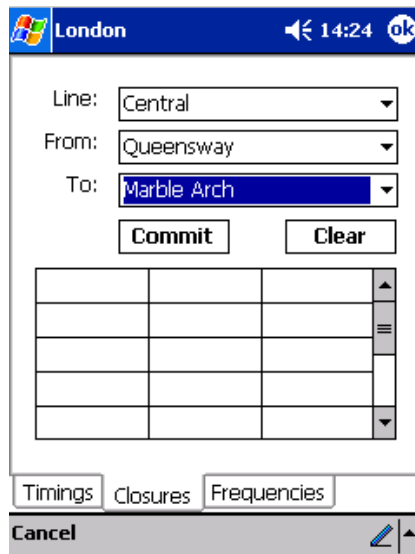
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DAN – Advanced

The system automatically recalculates the route to take account of the new constraint. The new route avoids the Central line and the best route is now via Victoria.

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DAN – On-line help

The DAN application has its own Help file that is accessed from the Help menu item on the menu bar.

This is implemented by a callback function that starts the Pocket PC help engine PegHelp.exe, passing it the name of the help file dan.htm. This is done using `CMD`.

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