

supported, but of course the contents of the main window can be captured and saved or printed using any appropriate X utility such as, e.g., **xgrab**.

Various parameters of the graph and service/requirements generators and the algorithmic tools, as well as display options, can be set according to the user's needs and preferences. These options can be saved in a file named **.dabrc** in the working directory, from which they will be reloaded automatically when the program is reinvoked later.

The DABTool program also includes a macro language which makes it possible to implement demos and perform larger test series automatically. Moreover, there is a test configuration dialog which allows to generate the most common types of test macros from a description of the graphs to be generated and the algorithms to be applied to each generated graph; the output from these test macros can also be imported into an ADABAS database (see Section 18).

11 Running the Program

The program is invoked using the command:

```
dab [ -m macrofile ] [ filename ]
```

The *filename* parameter is optional; if it is specified, it denotes the name of a file to be loaded at startup. Otherwise, the program starts up with an empty graph and a default service set.

When the **-m** option is specified, it denotes the name of a macro file to be loaded at startup (cf. Section 14 and Appendix A). If no such option is specified, but the current directory contains a macro file named **.dabmac**, this file will be loaded instead. In either case, if the file contains a macro named **start**, this macro will be executed immediately after the macro file has been loaded.

At startup, the program reads option settings from the file **.dabrc** which it looks for first in the current working directory and then in the user's home directory. The settings in this file can be changed and saved using the corresponding operations in the 'Options' menu.

To exit the program, one selects the 'Quit' option of the 'File' menu. The program will ask for confirmation if the current graph has been edited and has not yet been saved.

12 Main Window

At the top of the main window is a menubar which contains the different operations of the program (cf. Figure 5). There also is a toolbar providing quick access to some frequently-used operations.

Below the menu and the toolbar there is the display area in which the graph is shown together with labels representing requirements, ensembles and colors. The display properties of various items (such as node size and colors) can be controlled with the 'View...'