What is claimed is:

1. A method of operating a data processing system wherein at least one generic computer program parameterized by one or more parameters is configured via a user interface defined at least in part according to a configuration template, the data processing system comprising execution time data and a plurality of configuration controls, including at least a first configuration control and a second configuration control, the first and second configuration controls comprising at least user interface portions and operational portions, the method comprising:

rendering a first user interface based on the user interface portion of the first configuration control;

receiving first user input through the first user interface, the first user input providing values for at least one of the one or more parameters for an instance of the at least one generic program;

identifying the second configuration control by:

evaluating at least part of the operational portion of the first configuration control, said evaluation being based at least in part on the execution time data; and evaluating a portion of the configuration template to identify the second configuration control, the portion of the configuration template being configured to identify one of the plurality of configuration controls based on a result of said evaluating at least part of the operational portion of the first configuration control;

rendering a second user interface based on the user interface portion of the identified second configuration control; and

receiving second user input through the second user interface, the second user input providing values for at least one of the one or more parameters for the instance of the at least one generic program.

2. The method of claim 1, further comprising executing the instance of the at least one generic program according to values of the one or more parameters.

3. The method of claim 1, wherein identifying the second configuration control is further based on the configuration template.

4. The method of claim 3, wherein evaluating at least part of the operational portion of the first configuration control based at least in part on the execution time data comprises evaluating at least one parameter of the configuration template.

5. The method of claim 1, wherein evaluating at least part of the operational portion of the first configuration control based at least in part on the execution time data comprises evaluating at least one environment variable.

6. The method of claim 1, wherein the execution time data includes one or more results of executing executable computer program code.

7. The method of claim 1, wherein the at least one generic program is defined by a data processing language.

8. The method of claim 1, wherein the at least one generic program includes a dataflow graph.

9. The method of claim 8, wherein a value of a first parameter of the dataflow graph is determined based on the first user input, and a value of a second parameter of the dataflow graph is determined based on the second user input.

10. The method of claim 9, wherein the value of the first parameter of the dataflow graph is determined based on a predetermined mapping between at least one user interface element of the first user interface and the first parameter of the dataflow graph.

11. The method of claim 1, wherein the at least one generic program includes a subgraph of a dataflow graph.

12. The method of claim 1, wherein identifying the second configuration control is further based on the first user input.

13. The method of claim 1, wherein identifying the second configuration control is further based on a result of performing at least one lookup.

14. The method of claim 1, wherein the operational portion of the first configuration control is evaluated in response to user input provided through the first user interface.

15. A method of defining an interface for configuring at least one generic computer program parameterized by one or more parameters, comprising:

with a computing system, and based at least in part on user input:

associating a first configuration control with the interface, the first configuration control comprising at least an operational portion and a user interface portion that defines a first user interface, the first configuration control configured to define values for at least one of the one or more parameters for the at least one generic program based at least in part on user input received through the first user interface;

associating a second configuration control with the interface, the second configuration control comprising at least an operational portion and a user interface portion that defines a second user interface, the second configuration control configured to define values for at least one of the one or more parameters for the at least one generic program based at least in part on user input received through the second user interface;

associating a third configuration control with the interface, the third configuration control comprising at least an operational portion and a user interface portion that defines a third user interface; and

recording data that, based at least in part upon execution time data and the operational portion of the first configuration control, defines at least one instance in which the user input received through the first user interface is to cause rendering of the second user interface and at least one instance in which the user input received through the first user interface is to instead cause rendering of the third user interface.

16. The method of claim 15, wherein the at least one generic program includes a dataflow graph.

17. The method of claim 16, further comprising, based on user input: associating a value of a first parameter of the dataflow graph with the first user input, and associating a value of a second parameter of the dataflow graph with the second user input.

18. The method of claim 16, wherein the one or more parameters are associated with one or more components of the dataflow graph.

19. The method of claim 15, wherein the at least one generic program is defined by a data processing language.

20. The method of claim 15, wherein the at least one program includes a subgraph of a dataflow graph.

21. The method of claim 15, wherein recording data that defines at least one instance in which the user input received through the first user interface is to cause rendering of the second user interface comprises defining at least one lookup file.

22. The method of claim 15, wherein recording data that defines at least one instance in which the user input received through the first user interface is to cause rendering of the second user interface comprises recording data within the operational portion of the first configuration control.

23. The method of claim 15, wherein at least part of the operational portion of the first configuration control is configured to be evaluated in response to user input provided through the first user interface.