WHAT IS CLAIMED IS:

1. A method for executing, by a data processing system, a workflow to process results data indicating an output of a data quality test on data records for generating, responsive to receiving the results data and metadata describing the results data, a data quality issue associated with a state of the workflow to resolve a data quality error associated with the data quality test, the method including:

receiving the results data specifying the output of the data quality test on the data records;

receiving the metadata associated with the results data, the metadata specifying prior results data of at least one prior output of the data quality test;

providing, based on the results data and the prior results data specified in the metadata, a data quality issue, the data quality issue including a state that can be maintained for the data quality issue in the workflow, the state indicative of one or more processing actions in the workflow for processing the results data to resolve the data quality issue;

executing the workflow for processing the results data based on the state of the data quality issue, wherein executing the workflow includes:

assigning, based on the results data and the state of the data quality issue, an entity responsible for resolving the data quality error;

determining, based on the prior results data specified in the metadata and the state, one or more processing actions of the workflow for resolving the data quality issue;

when the one or more processing actions are completed, updating the state of the data quality issue, the updated state indicating one or more processing actions in the workflow for resolving the data quality issue; and

storing data representing the updated state of the data quality issue, the updated state representing one or more subsequent processing actions to resolve the data quality issue by the workflow.

2. The method of claim 1, wherein the data quality issue is associated with a key value that identifies the data quality issue, and wherein the process includes:

determining, in response to receiving the metadata, that the data quality issue was already generated for a data source of the data records for the data quality test by evaluating the key value; and

updating the already generated data quality issue based on the received results data of the data quality test and the received metadata, wherein updating the data quality issue includes changing the state specified by the data quality issue.

3. The method of claim 2, wherein updating the data quality issue includes reassigning the results data to a different entity based on the updated state specified by the data quality issue.

4. The method of claim 2, wherein updating the data quality issue includes appending a timeline of data processing actions associated with the data quality issue based on the updated state specified by the data quality issue.

5. The method of claim 2, wherein the metadata specifies a data quality condition of the data quality test, the method further including:

in response to updating the data quality issue, determining that the data quality condition is satisfied, wherein changing the state associated with the data quality issue includes indicating that the data quality issue is associated with a resolved data quality error.

6. The method of claim 1, further including:

receiving scheduling data for associating with the data quality issue, the scheduling data causing the data quality test to execute at predefined time intervals;

identifying the time interval associated with the data quality test; and

sending data representing the time interval to the assigned entity.

7. The method of claim 1, wherein assigning the entity includes:

determining, from a data source of the data records, a set of eligible entities associated with the data source for being responsible for resolving the data quality error;

receiving selection criteria from the data source for assigning the entity from the set of eligible entities; and

assigning the entity based on the selection criteria.

8. The method of claim 7, wherein the selection criteria specify a type of data quality error, wherein the metadata associated with the results data specify that the data quality issue is associated with the type of data quality error, and wherein the entity is eligible to resolve the type of data quality error.

9. The method of claim 7, wherein the selection criteria specify a particular state of the data quality issue for each entity of the set of eligible entities, and wherein the state of the data quality issue is the particular state for the assigned entity.

10. The method of claim 1, wherein the entity is a particular device of the data processing system.

11. The method of claim 1, wherein the entity is a user of the data processing system.

12. The method of claim 1, wherein executing the workflow further includes:

generating a timeline of actions taken for processing the results data; and

sending data representing the timeline of actions taken to the entity.

13. The method of claim 1, wherein each state of the data quality issue is associated with one or more candidate actions for processing the results data.

14. The method of claim 1, further comprising:

determining, based on the results data and the metadata, a category of the data quality error, the category being selected from one of a data error, a rule error, or a reference data error.

15. The method of claim 1, wherein the data quality issue includes an identification of the data records being tested by the data quality test to obtain the received results data, data specifying which one or more data quality rules have been applied to the data records in the data quality test, and results for application of each of the data quality rules to the data records.

16. The method of claim 2, wherein the key value is associating the data quality issue with additional data, the additional data including identifiers of client device(s) associated with the data quality issue, an owner of the data set with the data quality issue, an entity responsible for resolving the data quality issue, the workflow for correcting the data quality issue, and the state of the workflow.

17. The method of claim 1, wherein the data quality issue specifies the one or more processing actions of the workflow for processing of the results data to resolve the data quality issue.

18. The method of claim 1, wherein the results data specify for portions of the data records whether the portions satisfy conditions specified in one or more data quality rules applied to the data records during the data quality test and the results data identify one or more conditions of the data quality rules that are not satisfied during the test and which portions of the data records did not satisfy the conditions.

19. The method of claim 1, wherein the results data specify how the data quality test failed, including that a data quality condition of a data quality rule of the test was not met.

20. The method of claim 1, wherein the processing actions include an analysis of values of the data records to determine if a data quality rule definition of the data quality test is flawed.

21. The method of claim 1, wherein the metadata specifies a data quality condition of the data quality test and an object that configured the data quality test,

wherein the actions are for satisfying the data quality condition specified in the data quality test.

22. The method of claim 1, further comprising:

configuring the workflow using configurable data processing rules of the workflow based on the received metadata, such that different workflows are generated based on which data quality test failed and how the test failed.

23. The method of claim 2, wherein the updating of the data quality issue is performed without generating a new data quality issue.

24. A system for executing, by a data processing system, a workflow to process results data indicating an output of a data quality test on data records by generating, responsive to receiving the results data and metadata describing the results data, a data quality issue associated with a state and one or more processing steps of the workflow to resolve a data quality error associated with the data quality test, the system including:

at least one processor; and

a memory storing instructions that, when executed by the at least one processor, cause the at least one processor to perform operations including:

receiving the results data specifying the output of the data quality test on the data records;

receiving the metadata associated with the results data, the metadata specifying prior results data of at least one prior output of the data quality test;

providing, based on the results data and the prior results data specified in the metadata, a data quality issue, the data quality issue including a state that can be maintained for the data quality issue in the workflow, the state indicative of one or more processing actions in the workflow for processing the results data to resolve the data quality issue;

executing the workflow for processing the results data based on the state of the data quality issue, wherein executing the workflow includes:

assigning, based on the results data and the state of the data quality issue, an entity responsible for resolving the data quality error;

determining, based on the prior results data specified in the metadata and the state, one or more processing actions of the workflow for resolving the data quality issue;

when the one or more processing actions are completed, updating the state of the data quality issue, the updated state indicating one or more processing actions in the workflow for resolving the data quality issue; and

storing data representing the updated state of the data quality issue, the updated state representing one or more subsequent processing actions to resolve the data quality issue by the workflow.

25. The system of claim 24, wherein the data quality issue is associated with a key value that identifies the data quality issue, and wherein the process includes:

determining, in response to receiving the metadata, that the data quality issue is already generated for a data source of the data records for the data quality test by evaluating the key value; and

updating the data quality issue based on the results data of the data quality test, wherein updating the data quality issue includes changing the state associated with the data quality issue.

26. The system of claim 25, wherein updating the data quality issue includes reassigning the results data to a different entity.

27. The system of claim 25, wherein updating the data quality issue includes appending a timeline of data processing actions associated with the data quality issue.

28. One or more non-transitory computer readable media storing instructions for executing, by a data processing system, a workflow to process results data indicating an output of a data quality test on data records by generating, responsive to receiving the results data and metadata describing the results data, a data quality issue associated with a state and one or more processing steps of the workflow

to resolve a data quality error associated with the data quality test, wherein executing the instructions by at least one processor causes the at least one processor to perform operations including:

receiving the results data specifying the output of the data quality test on the data records;

receiving the metadata associated with the results data, the metadata specifying prior results data of at least one prior output of the data quality test;

providing, based on the results data and the prior results data specified in the metadata, a data quality issue, the data quality issue including a state that can be maintained for the data quality issue in the workflow, the state indicative of one or more processing actions in the workflow for processing the results data to resolve the data quality issue;

executing the workflow for processing the results data based on the state of the data quality issue, wherein executing the workflow includes:

assigning, based on the results data and the state of the data quality issue, an entity responsible for resolving the data quality error;

determining, based on the prior results data specified in the metadata and the state, one or more processing actions of the workflow for resolving the data quality issue;

when the one or more processing actions are completed, updating the state of the data quality issue, the updated state indicating one or more processing actions in the workflow for resolving the data quality issue; and

storing data representing the updated state of the data quality issue, the updated state representing one or more subsequent processing actions to resolve the data quality issue by the workflow.

29. The one or more non-transitory computer readable media of claim 28, wherein the data quality issue is associated with a key value that identifies the data quality issue, and wherein the process includes:

determining, in response to receiving the metadata, that the data quality issue is already generated for a data source of the data records for the data quality test by evaluating the key value; and

updating the data quality issue based on the results data of the data quality test, wherein updating the data quality issue includes changing the state associated with the data quality issue.

30. The method of claim 1, wherein the one or more processing actions include:

determining that the data records are associated with a data source; and

based on the data source, quarantining the data records,

wherein the data quality issue indicates that the data records from the data source are being quarantined.