CLAIMS

1. A method comprising:

receiving, at an accounting system comprising a machine having a memory and at least one processor, an authorization from a financial system to receive financial data from a financial account of a plurality of financial accounts maintained by the financial system, the authorization identifying a user, the user being associated with a first organization within the accounting system, the accounting system maintaining bookkeeping accounts for a plurality of organizations including the first organization;

based on the receiving of the authorization identifying the user, causing presentation of an option to the user to select a bookkeeping account of a plurality of bookkeeping accounts associated with the first organization, the selected bookkeeping account to be linked to the financial account;

registering, by the accounting system, for a bank feed record from the financial system, the registering being performed via an application programming interface (API) provided by the financial system, the registering using the authorization from the financial system;

retrieving, using the bank record feed, financial account data related to the financial account; and

generating accounting data related to the selected bookkeeping account using the financial account data.

2. The method of claim 1, further comprising:

responsive to the registering for the bank record feed, periodically receiving additional financial account data related to the financial account from the financial system; and

generating additional accounting data related to the selected bookkeeping account using the additional financial account data.

3. The method of claim 1, further comprising providing payment instructions from the accounting system to the financial system based on the authorization.

4. The method of any one of claims 1, 2 or 3, further comprising:

verifying, by the accounting system and using the authorization, that the financial system supports a third party payment service for the financial account.

5. The method of claim 4, further comprising:

submitting a batch payment drawn on the financial account to the third party payment service at the financial institution.

6. The method of claim 5, further comprising:

receiving a confirmation from the financial institution that indicates that all transactions of the batch payment were completed successfully.

7. The method of claim 6, further comprising:

responsive to the receipt of the confirmation from the financial institution, updating the accounting data related to the selected bookkeeping account to show that the transactions are complete.

8. An accounting system comprising:

a memory; and

a processor coupled to the memory and configured to:

receive an authorization

from a financial system to receive financial data from a financial account of a plurality of financial accounts maintained by the financial system, the authorization identifying a user, the user being associated with a first organization within the accounting system, the accounting system maintaining bookkeeping accounts for a plurality of organizations including the first organization;

based on the receiving of the authorization identifying the user, cause

presentation of an option to the user to select a bookkeeping account of a plurality of bookkeeping accounts associated with the first organization, the selected bookkeeping account to be linked to the financial account;

register for a bank record feed from the financial system, the registering being performed via an application programming interface (API) provided by the financial system, the registering using the authorization from the financial system;

retrieve, using the bank record feed, financial account data related to the financial account; and

generate accounting data related to the selected bookkeeping account using the financial account data.

9. The accounting system of claim 8, wherein the processor is further configured to:

responsive to the registering for the bank record feed, periodically receive additional financial account data related to the financial account from the financial system; and

generate additional accounting data related to the selected bookkeeping account using the additional financial account data.

10. The accounting system of claim 8, wherein the processor is further configured to provide payment instructions to the financial system based on the authorization.

11. The accounting system of any one of claims 8, 9, or 10, wherein the processor is further configured to:

verify, using the authorization, that the financial system supports a third party payment service for the financial account.

12. The accounting system of claim 11, wherein the processor is further configured to:

submit a batch payment drawn on the account to the third party payment service at the financial institution.

13. The accounting system of claim 12, wherein the processor is further configured to:

receive a confirmation from the financial institution that indicates that all transactions of the batch payment were completed successfully.

14. A non-transitory machine-readable storage medium storing instructions thereon which, when executed by one or more processors, cause the one or more processors to perform operations comprising:

receiving authorization

from a financial system to receive financial data from a financial account of a plurality of financial accounts maintained by the financial system, the authorization identifying a user, the user being associated with a first organization within an accounting system, the accounting system maintaining bookkeeping accounts for a plurality of organizations including the first organization;

based on the receiving of the authorization identifying the user, causing presentation of an option to the user to select a bookkeeping account of a plurality of bookkeeping accounts associated with the first organization, the selected bookkeeping account to be linked to the financial account;

registering, by the accounting system, for a bank record feed from the financial system, the registering being performed via an application programming interface (API) provided by the financial system, the registering using the authorization from the financial system;

retrieving, using the bank record feed, financial account data related to the financial account; and

generating accounting data related to the selected bookkeeping account using the financial account data.

15. The non-transitory machine-readable storage medium of claim 14, wherein the operations further comprise:

responsive to the registering of the feed, periodically receiving additional

financial account data related to the financial account from the financial system; and

generating additional accounting data related to the selected bookkeeping account using the additional financial account data.