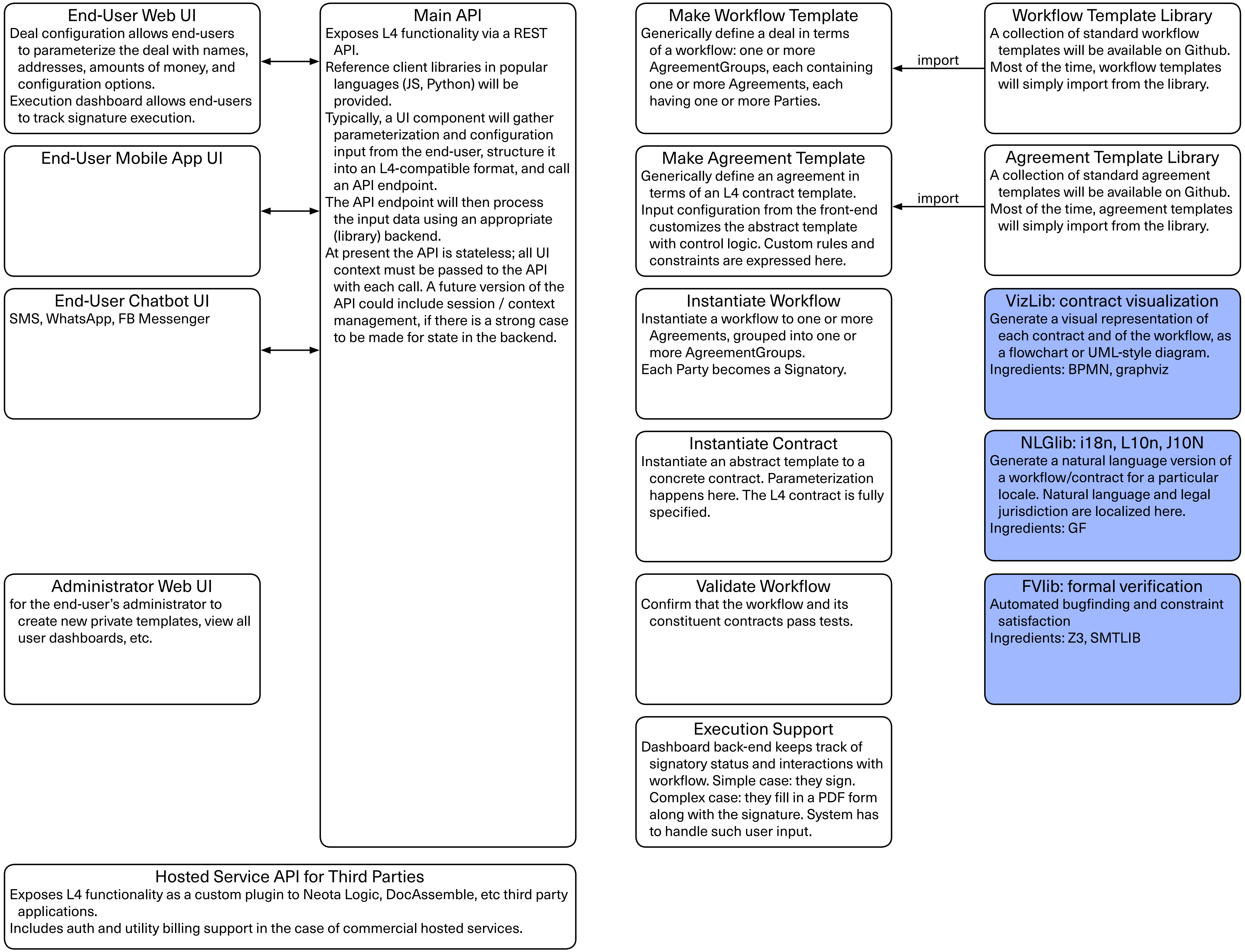

End-User Web UI

Deal configuration allows end-users to parameterize the deal with names, addresses, amounts of money, and configuration options.

Execution dashboard allows end-users to track signature execution.

End-User Mobile App UI

End-User Chatbot UI

SMS, WhatsApp, FB Messenger

Administrator Web UI

for the end-user's administrator to create new private templates, view all user dashboards, etc.

Main API

Exposes L4 functionality via a REST API.

Reference client libraries in popular languages (JS, Python) will be provided.

Typically, a UI component will gather parameterization and configuration input from the end-user, structure it into an L4-compatible format, and call an API endpoint.

The API endpoint will then process the input data using an appropriate (library) backend.

At present the API is stateless; all UI context must be passed to the API with each call. A future version of the API could include session / context management, if there is a strong case to be made for state in the backend.

Hosted Service API for Third Parties

Exposes L4 functionality as a custom plugin to Neota Logic, DocAssemble, etc third party applications.

Includes auth and utility billing support in the case of commercial hosted services.

Make Workflow Template

Generically define a deal in terms of a workflow: one or more AgreementGroups, each containing one or more Agreements, each having one or more Parties.

Make Agreement Template

Generically define an agreement in terms of an L4 contract template.

Input configuration from the front-end customizes the abstract template with control logic. Custom rules and constraints are expressed here.

Instantiate Workflow

Instantiate a workflow to one or more Agreements, grouped into one or more AgreementGroups.

Each Party becomes a Signatory.

Instantiate Contract

Instantiate an abstract template to a concrete contract. Parameterization happens here. The L4 contract is fully specified.

Validate Workflow

Confirm that the workflow and its constituent contracts pass tests.

Execution Support

Dashboard back-end keeps track of signatory status and interactions with workflow. Simple case: they sign. Complex case: they fill in a PDF form along with the signature. System has to handle such user input.

Workflow Template Library

A collection of standard workflow templates will be available on Github.

Most of the time, workflow templates will simply import from the library.

Agreement Template Library

A collection of standard agreement templates will be available on Github.

Most of the time, agreement templates will simply import from the library.

VizLib: contract visualization

Generate a visual representation of each contract and of the workflow, as a flowchart or UML-style diagram.

Ingredients: BPMN, graphviz

NLGlib: i18n, L10n, J10N

Generate a natural language version of a workflow/contract for a particular locale. Natural language and legal jurisdiction are localized here.

Ingredients: GF

FVlib: formal verification

Automated bugfinding and constraint satisfaction

Ingredients: Z3, SMTLIB