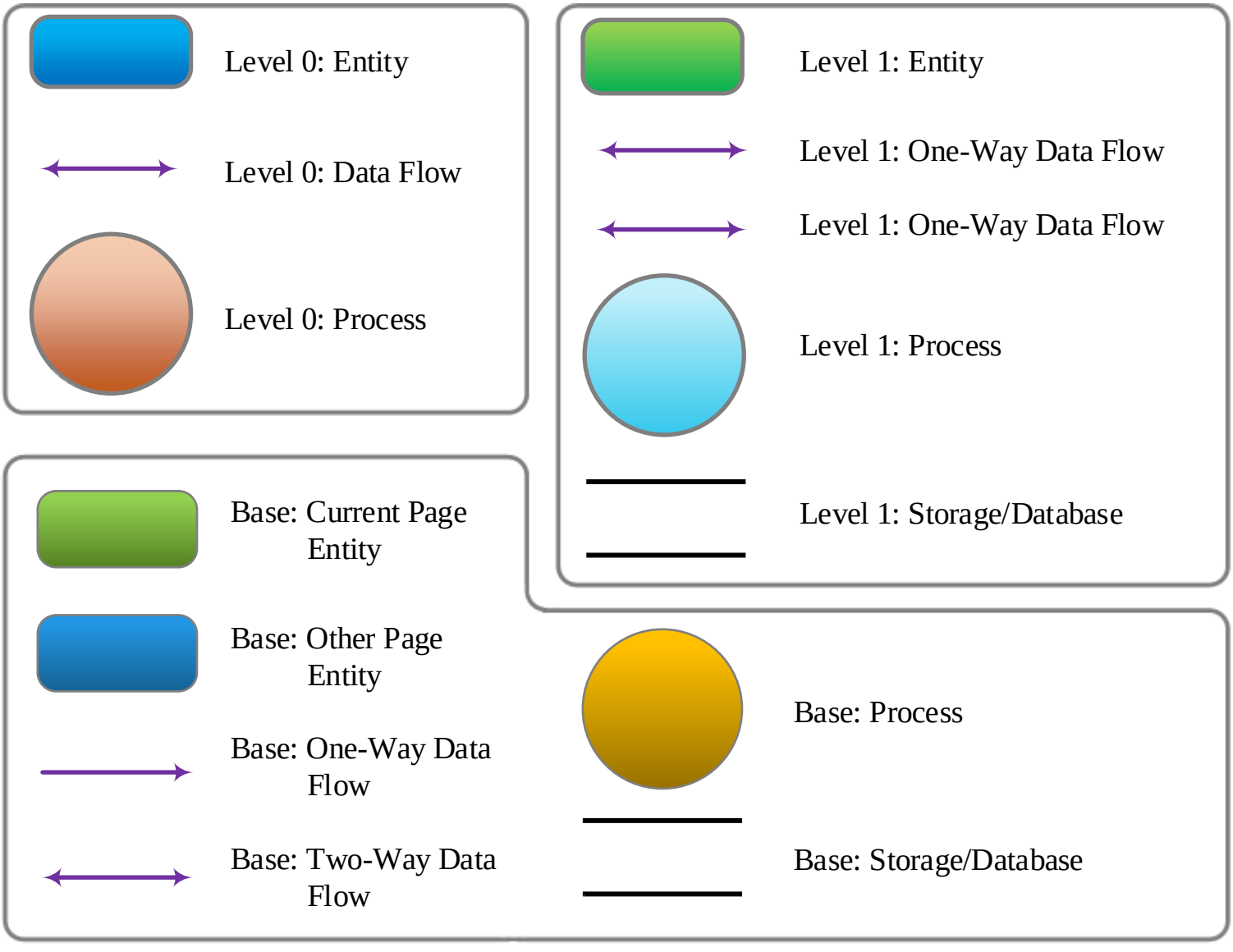
DATA FLOW DIAGRAM

A data flow diagram shows the way information flows through a process or system. It includes data inputs and outputs, data stores, and the various subprocesses the data moves through. DFDs are built using standardized symbols and notation to describe various entities and their relationships.

Data flow diagrams visually represent systems and processes that would be hard to describe in a chunk of text. You can use these diagrams to map out an existing system and make it better or to plan out a new system for implementation. Visualizing each element makes it easy to identify inefficiencies and produce the best possible system.

Here in Punarjani: Blood & Organ Donation Application we process 3 types of data flow layers:
i. Level 0
ii. Level 1
iii. Base Level

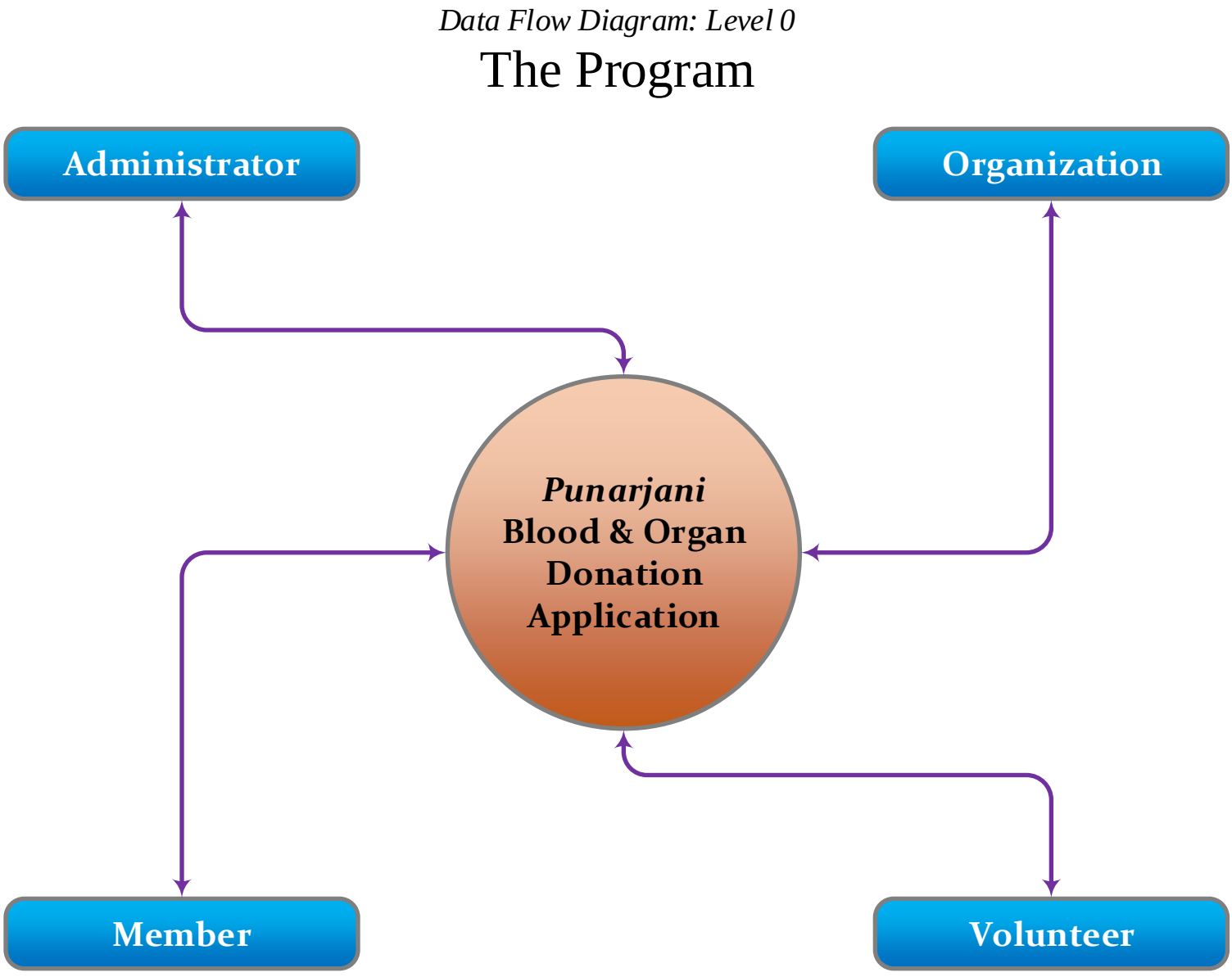
DATA FLOW DIAGRAM SYMBOLS



DATA FLOW DIAGRAM LEVEL 0

Level 0 DFDs, also known as context diagrams, are the most basic data flow diagrams. They provide a broad view that is easily digestible but offers little detail. Level 0 data flow diagrams show a single process node and its connections to external entities.

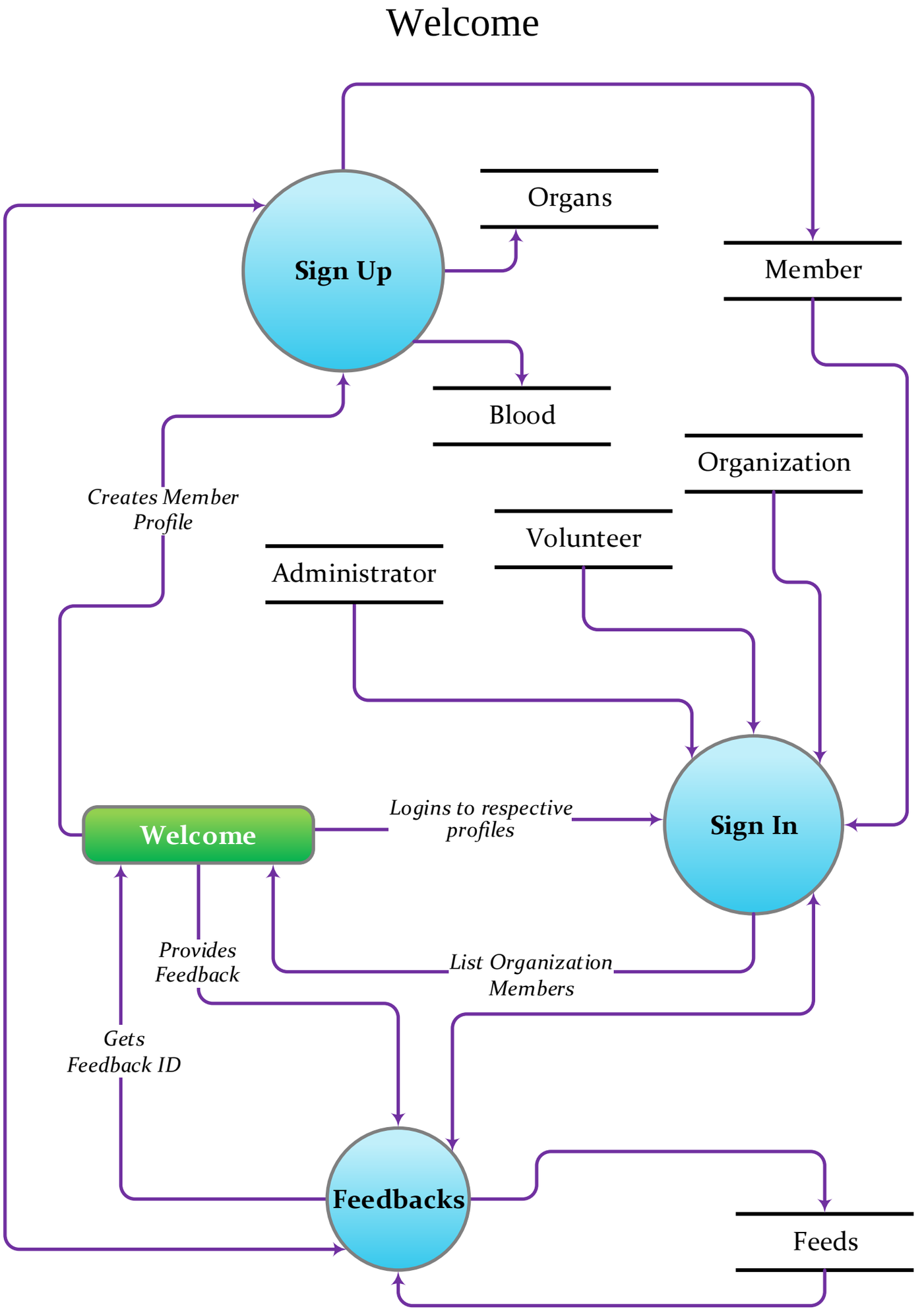
Data Flow Diagram: Level 0



DATA FLOW DIAGRAM LEVEL 1

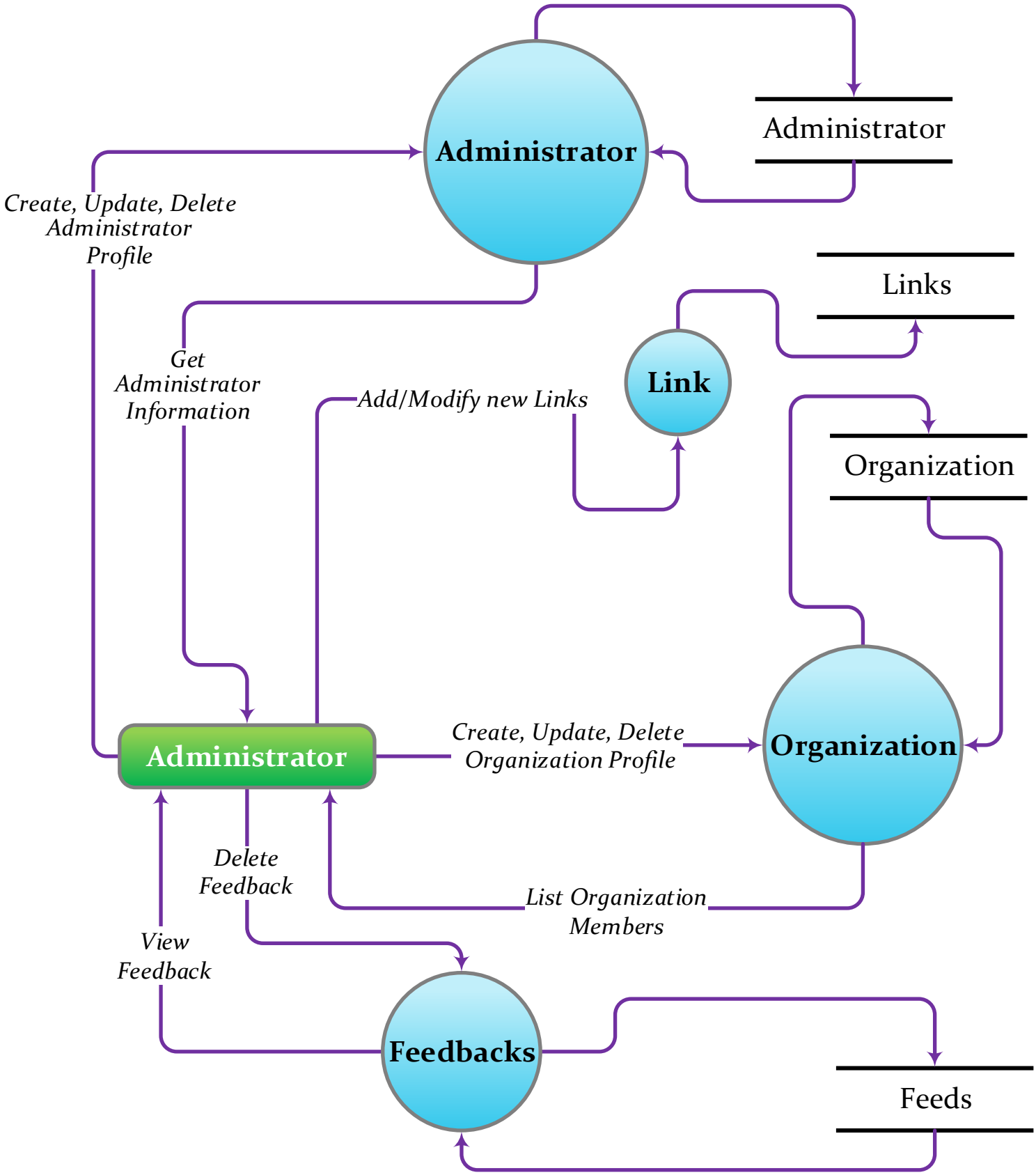
Level 1 DFDs are still a general overview, but they go into more detail than a context diagram. In a level 1 data flow diagram, the single process node from the context diagram is broken down into subprocesses. As these processes are added, the diagram will need additional data flows and data stores to link them together.

Data Flow Diagram: Level 1



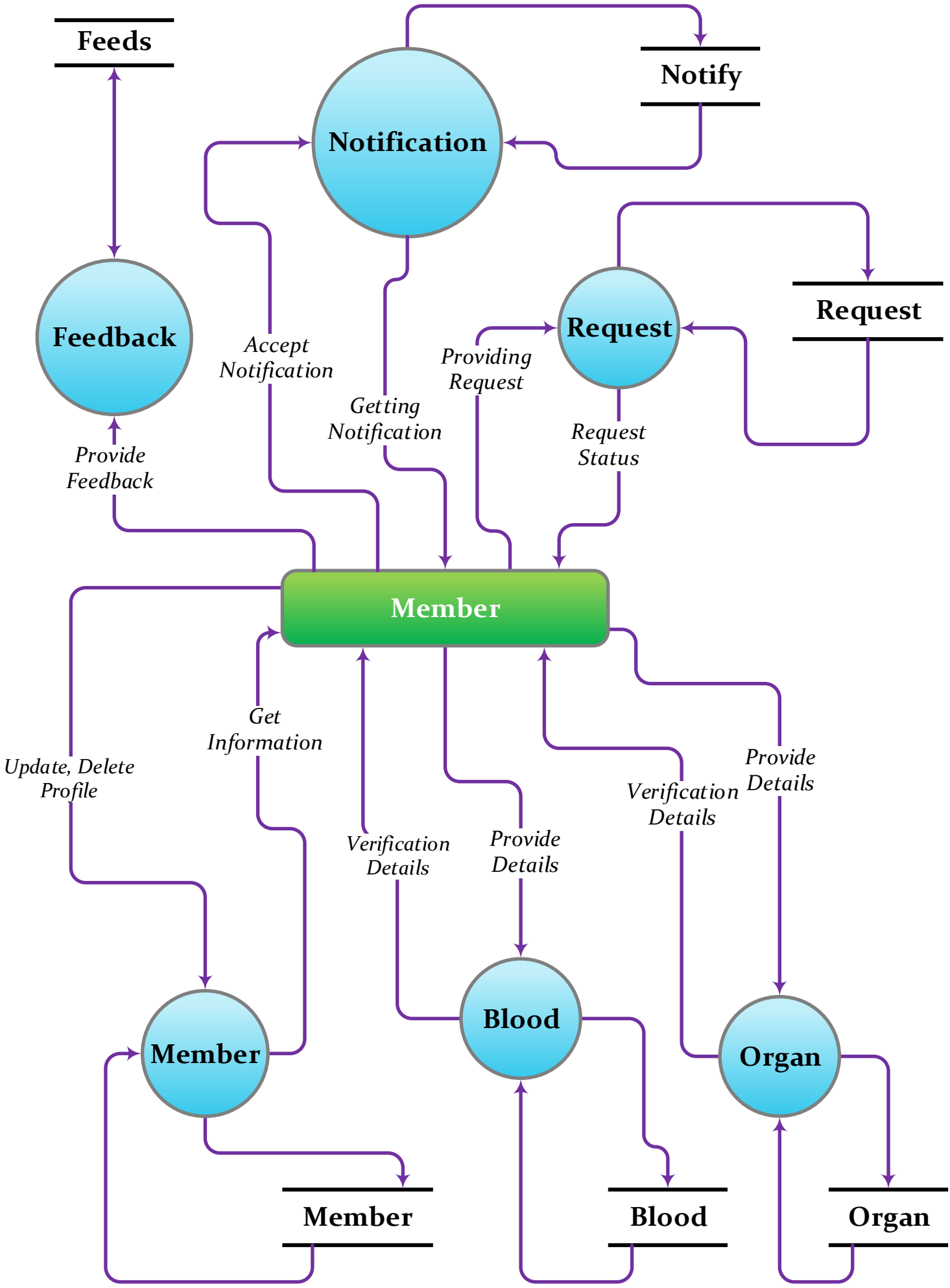
Data Flow Diagram: Level 1

Administrator



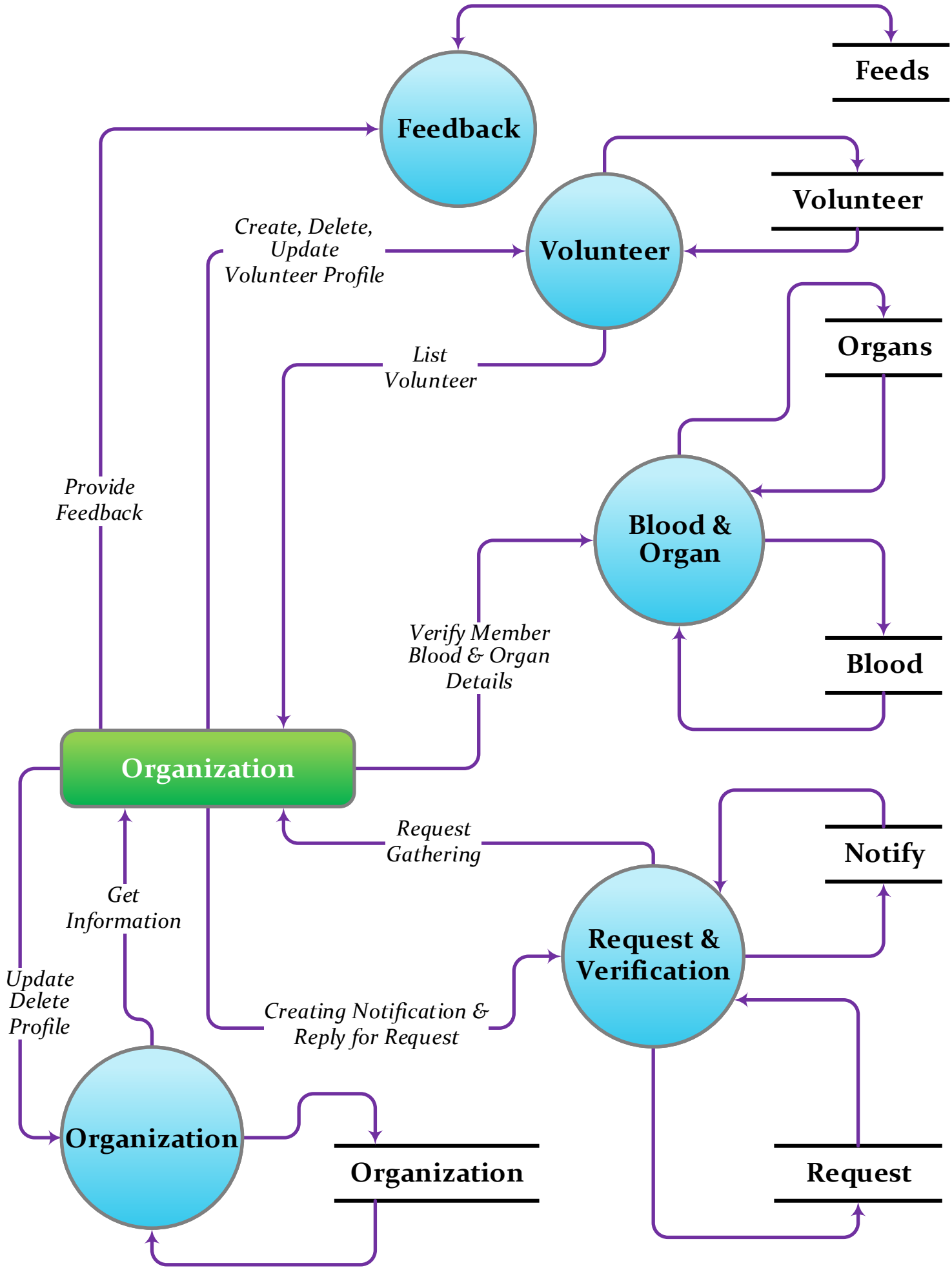
Data Flow Diagram: Level 1

Member



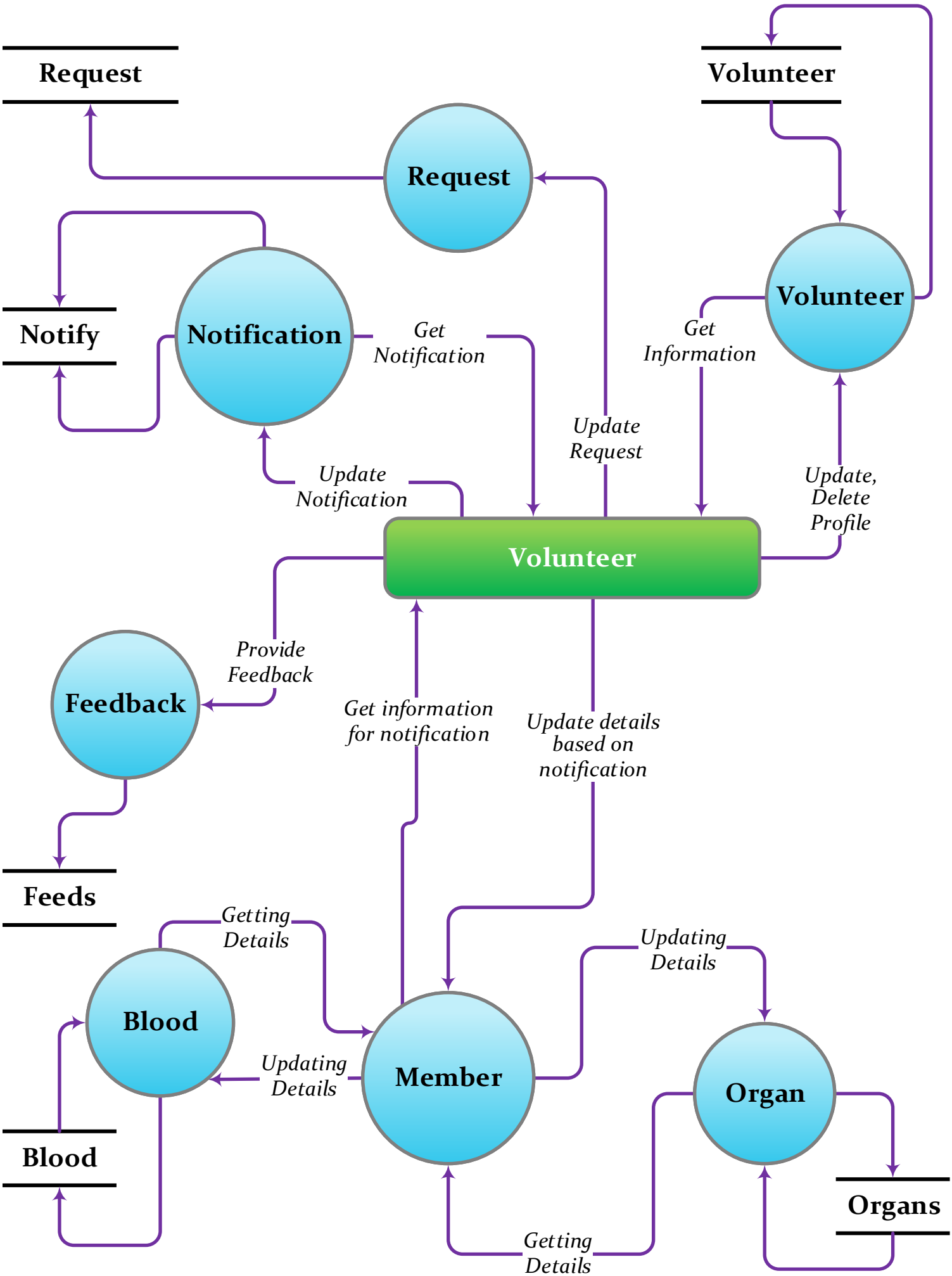
Data Flow Diagram: Level 1

Organization



Data Flow Diagram: Level 1

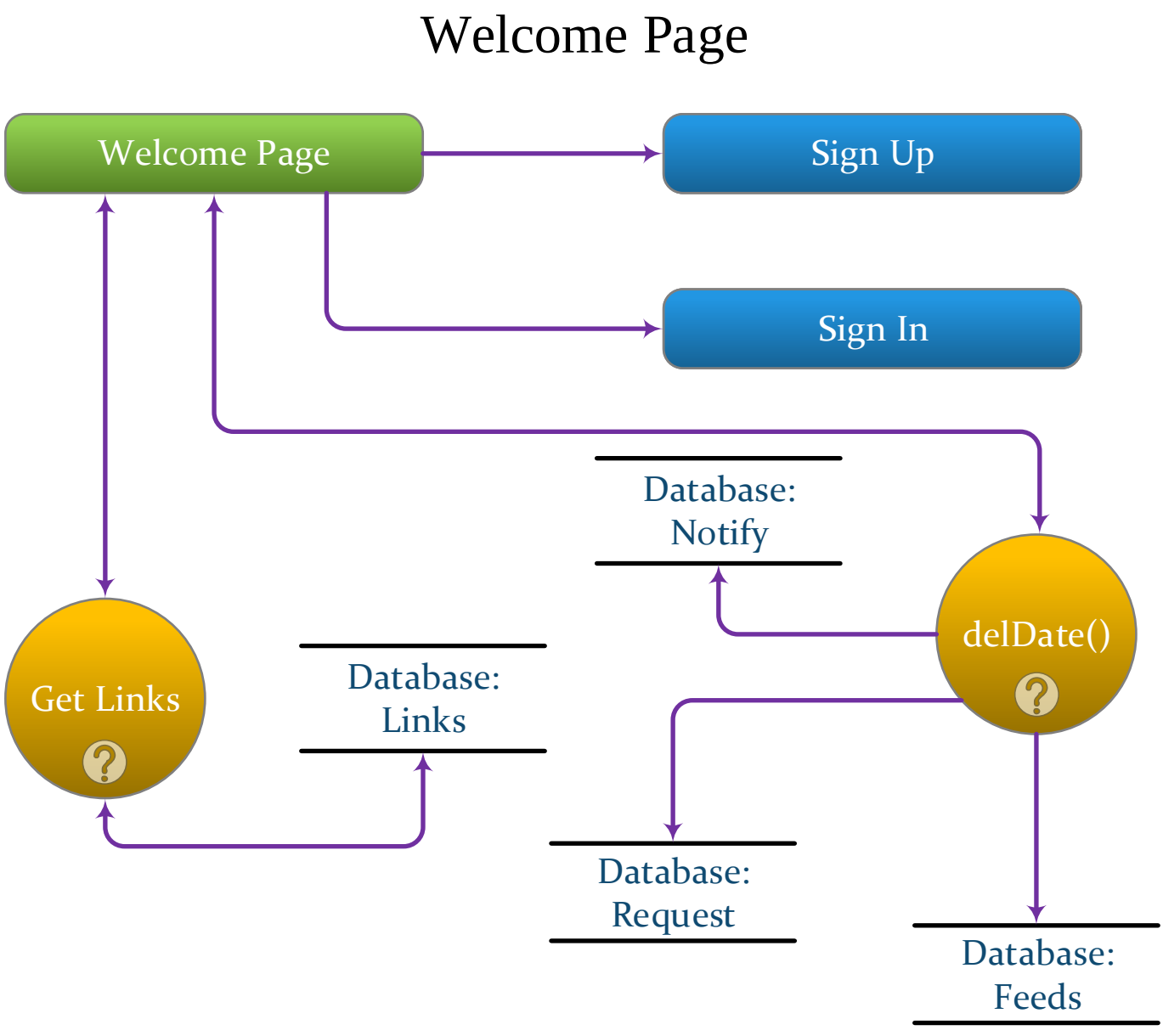
Volunteer



DATA FLOW DIAGRAM LEVEL 2

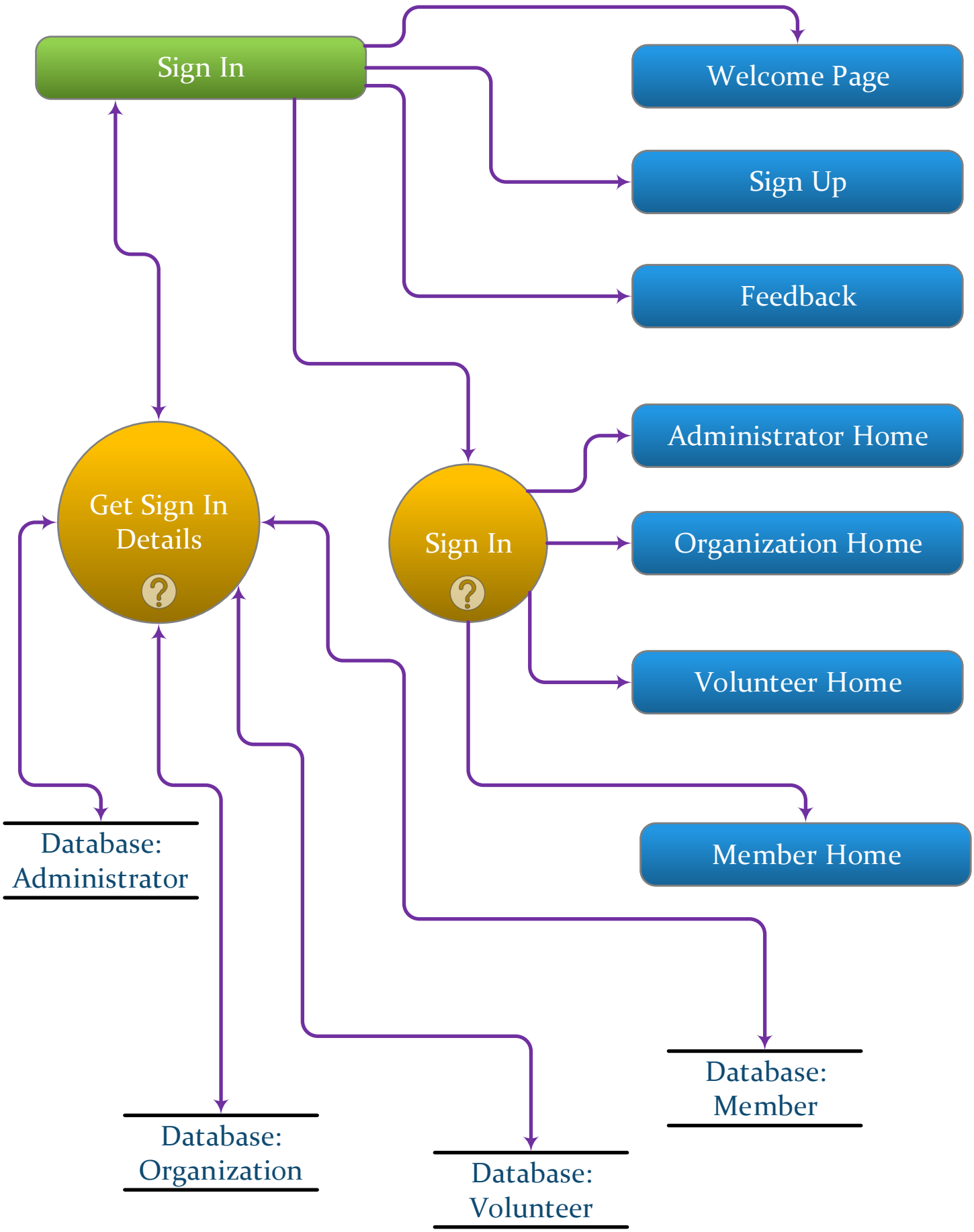
Level 2 DFDs simply break processes down into more detailed subprocesses. In theory, DFDs could go beyond level 3, but they rarely do. Level 3 data flow diagrams are detailed enough that it doesn't usually make sense to break them down further.

Data Flow Diagram: Level 2



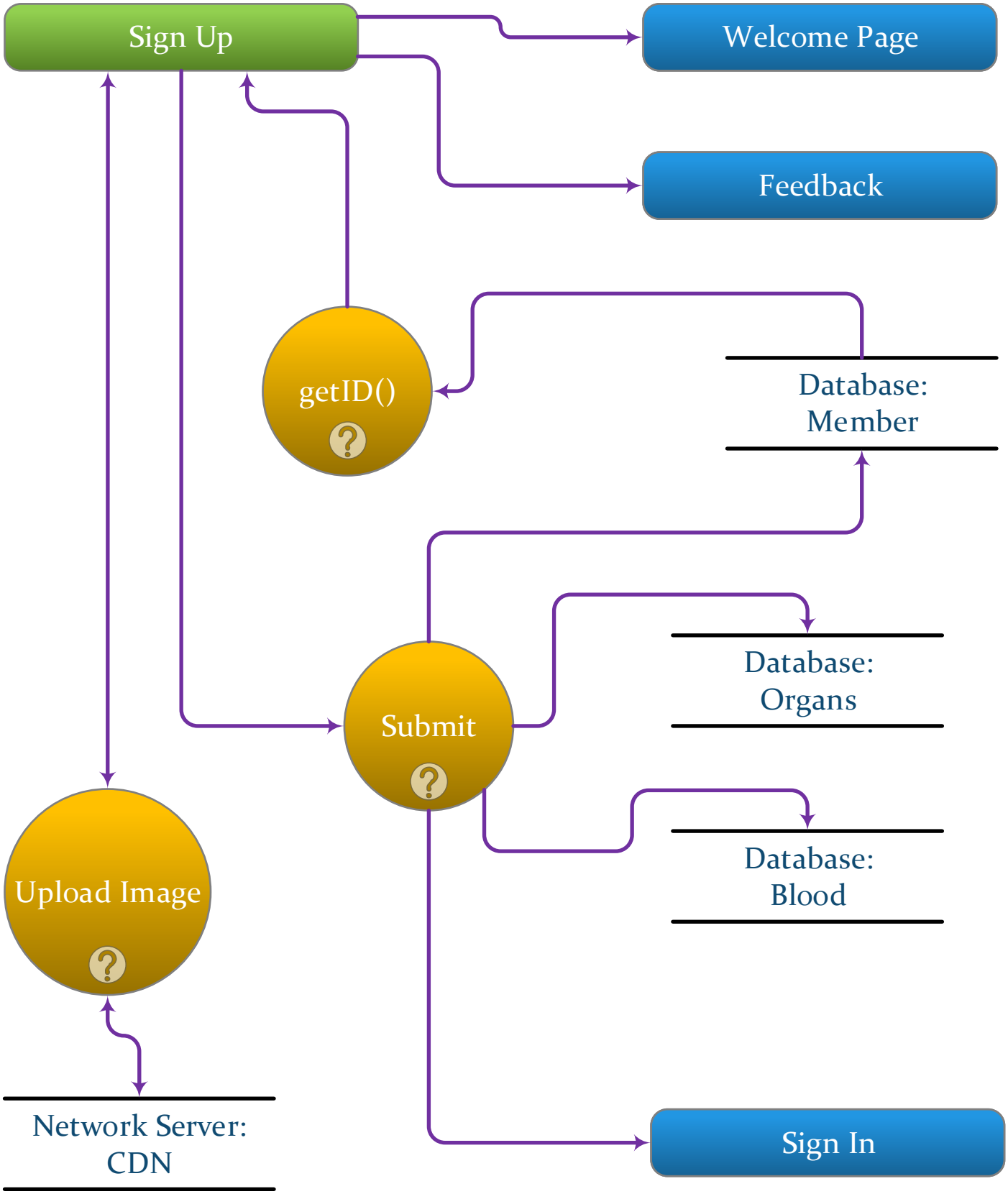
Data Flow Diagram: Level 2

Sign-In Page



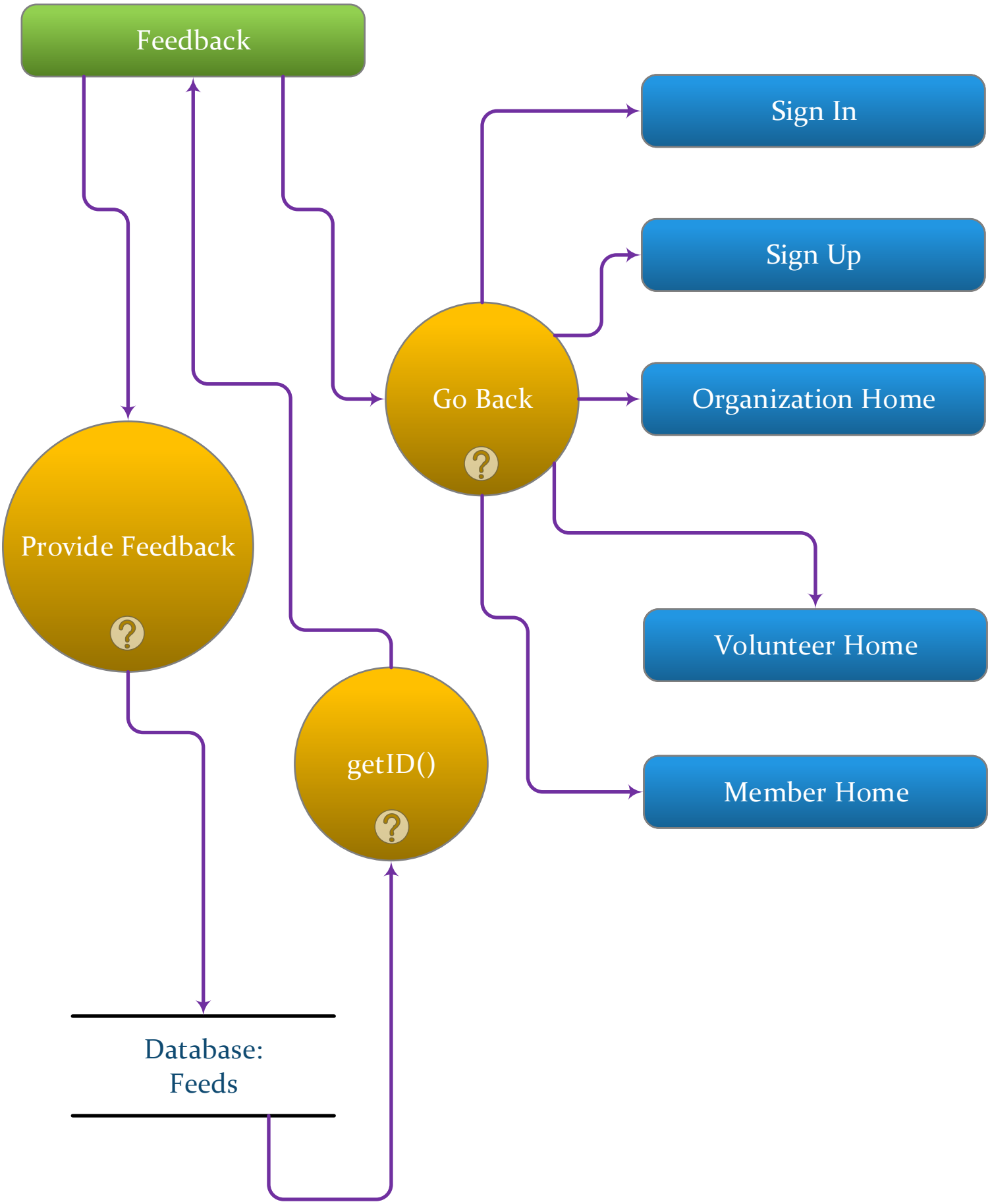
Data Flow Diagram: Level 2

Sign-Up Page



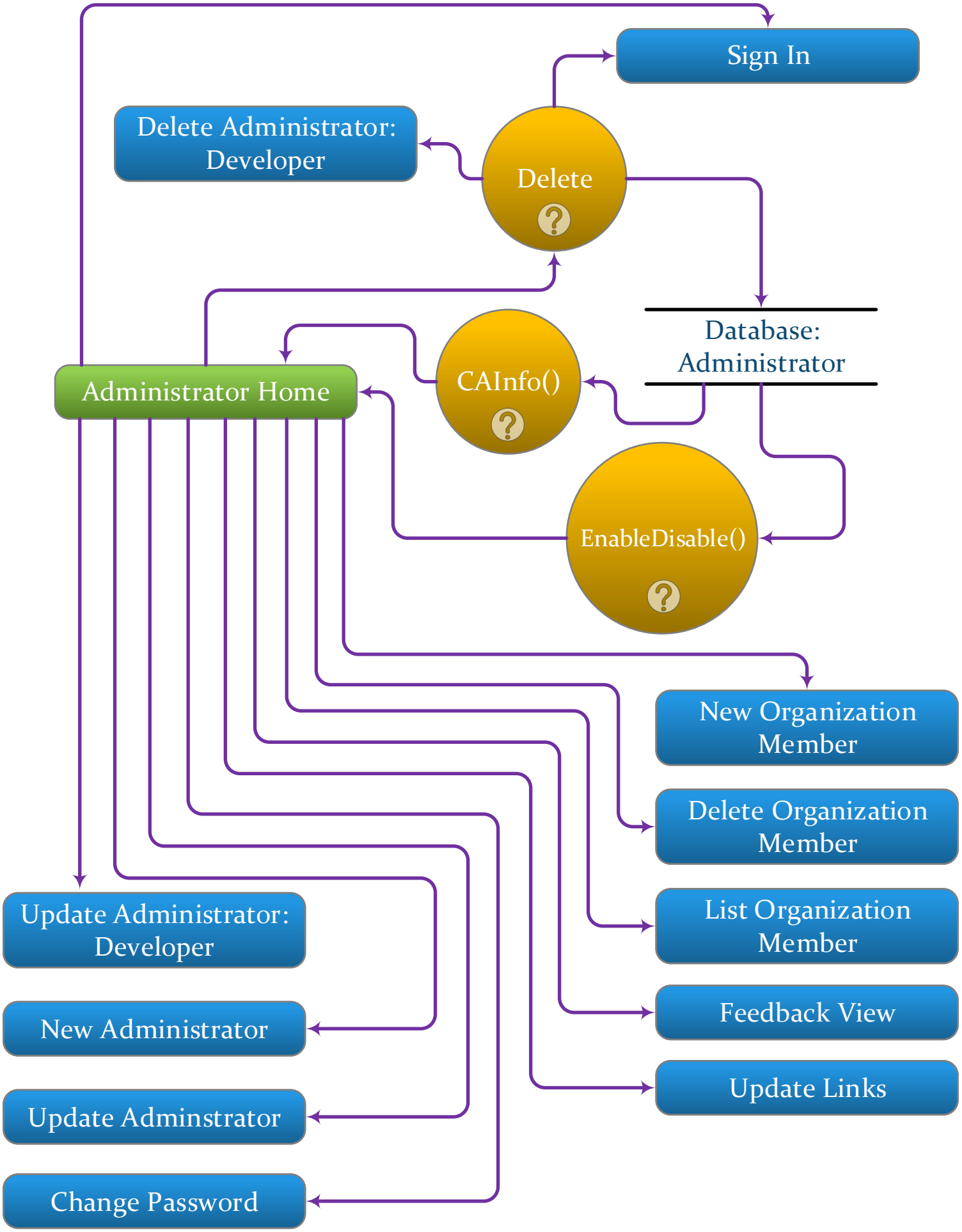
Data Flow Diagram: Level 2

Feedback Page



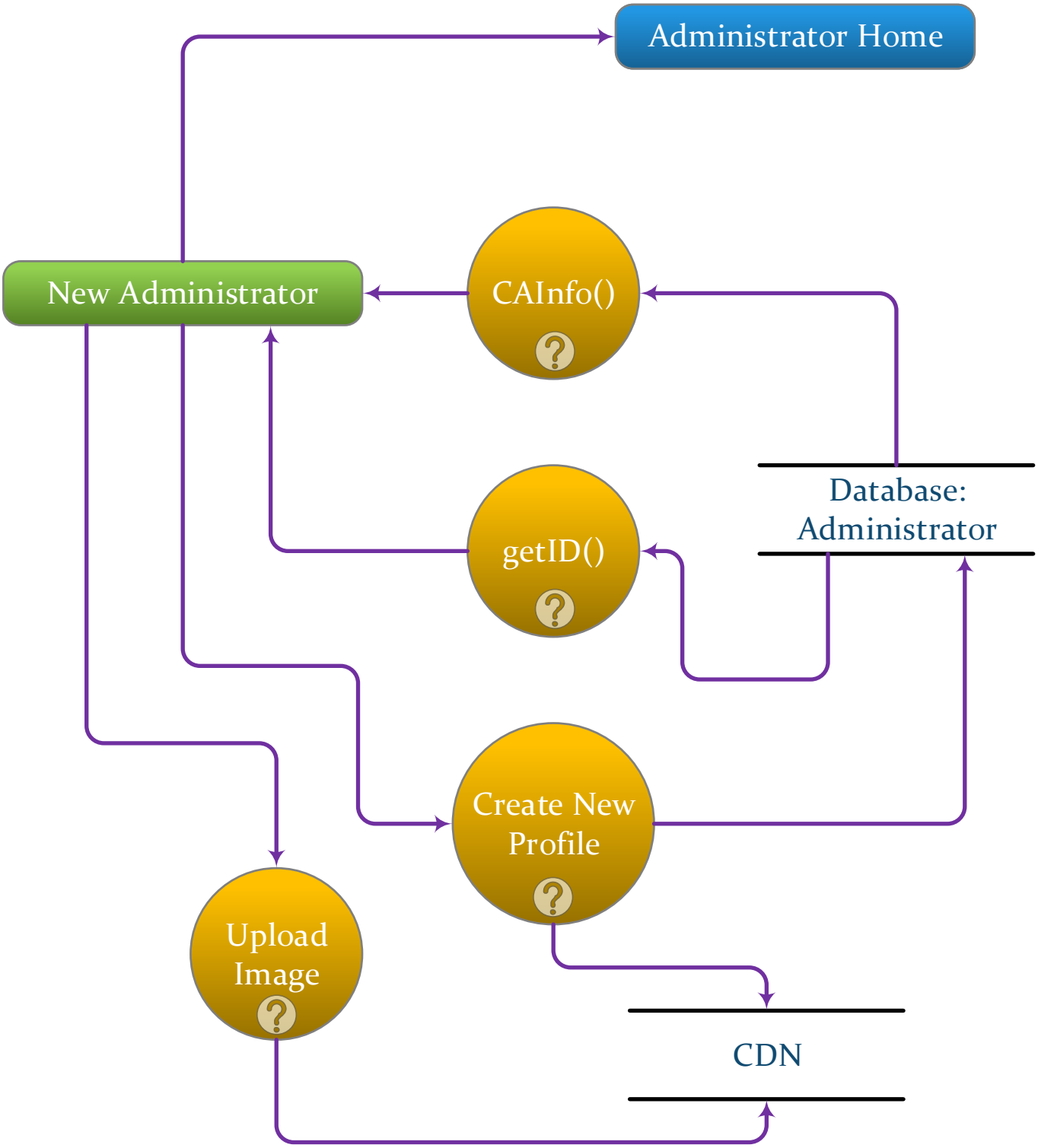
Data Flow Diagram: Level 2

Administrator Home Page



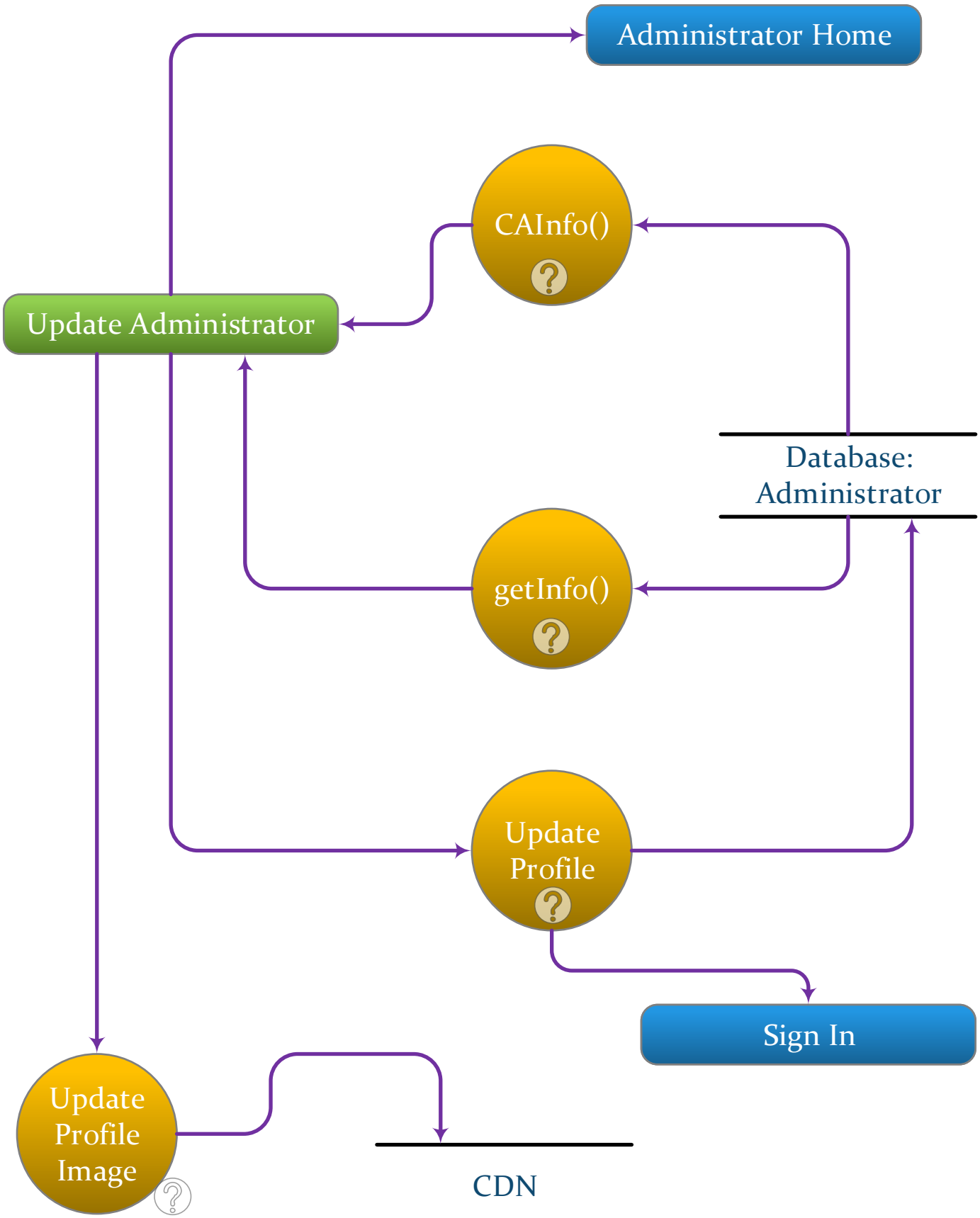
Data Flow Diagram: Level 2

New Administrator Page



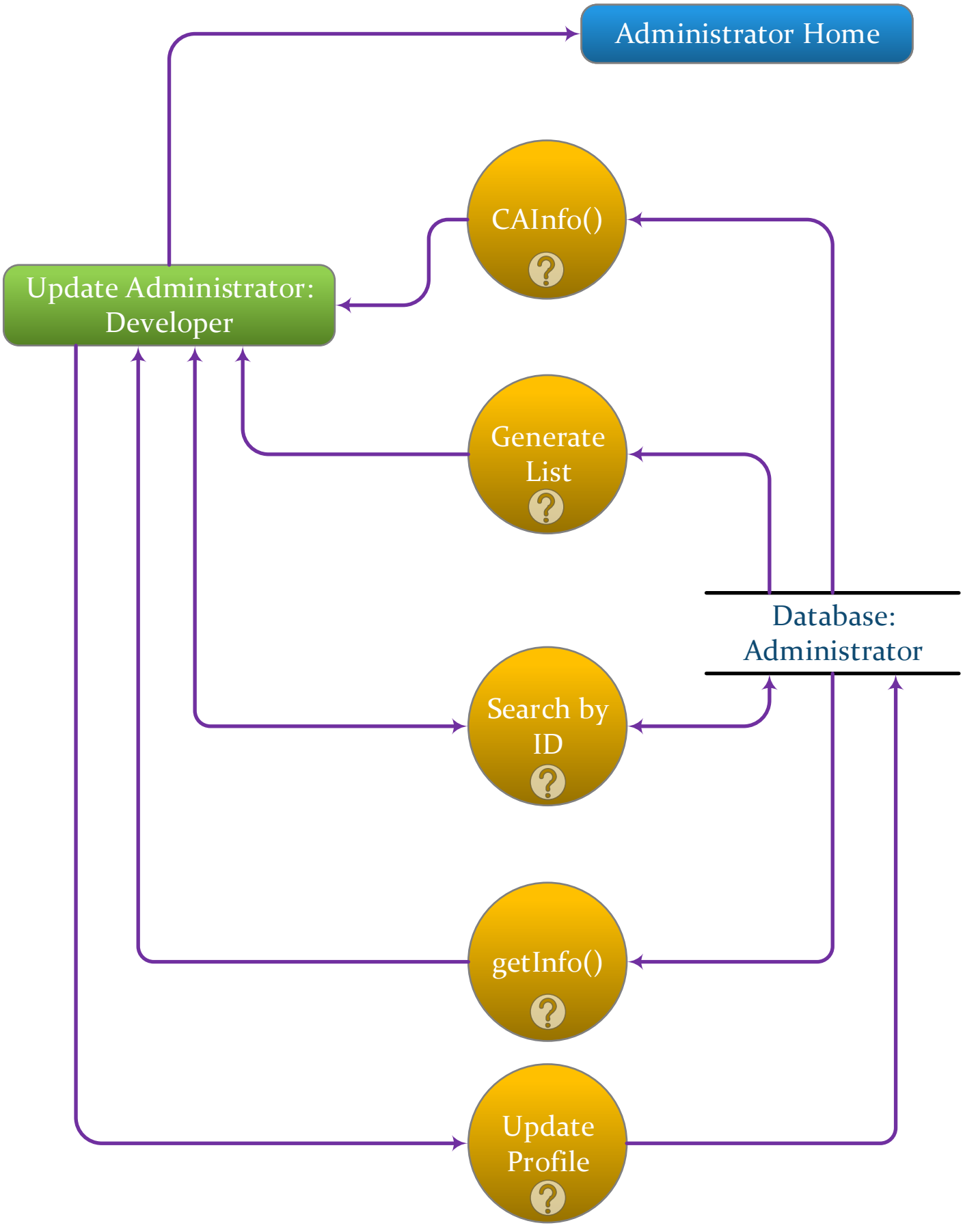
Data Flow Diagram: Level 2

Update Administrator Profile Page



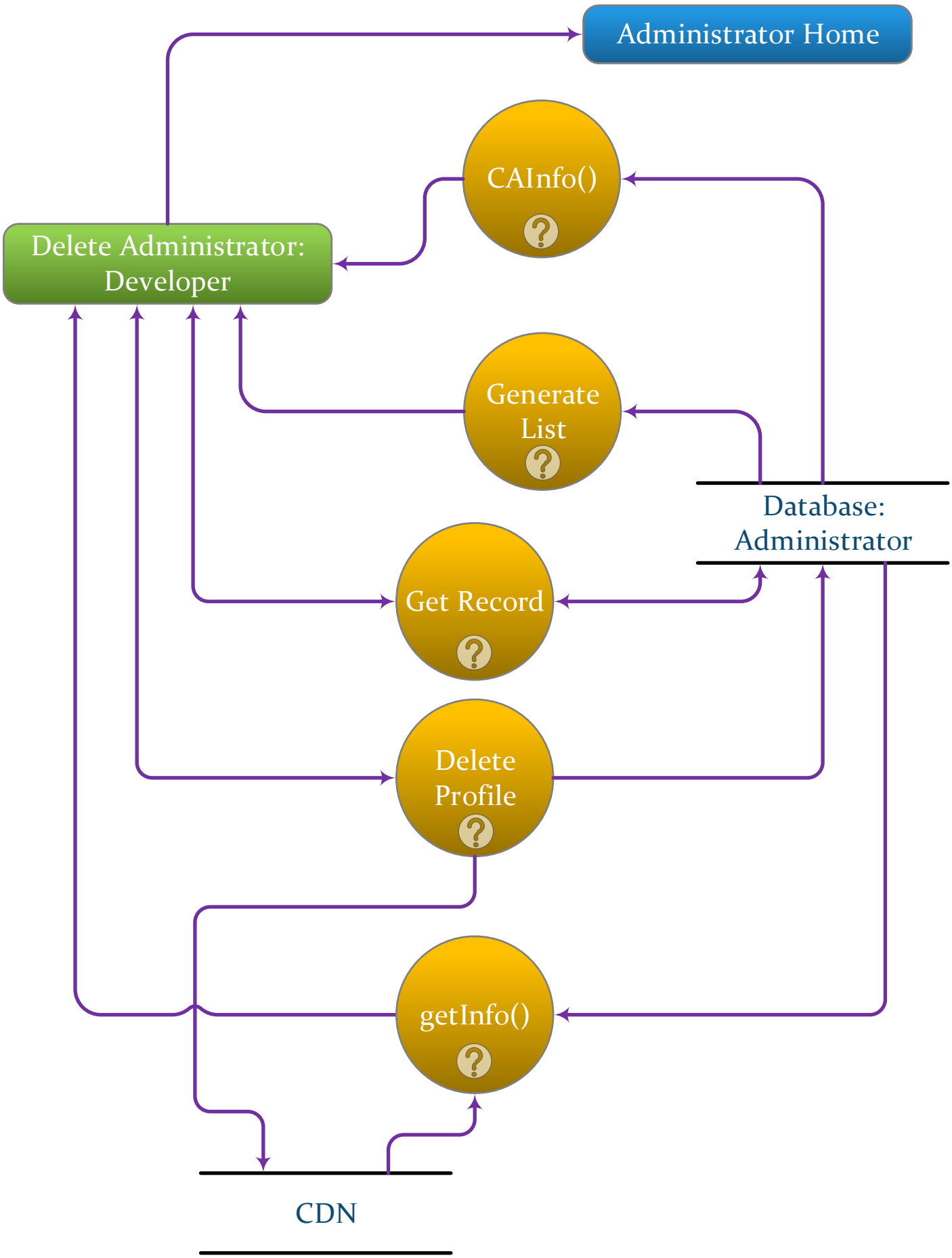
Data Flow Diagram: Level 2

Update Administrator Developer's Page



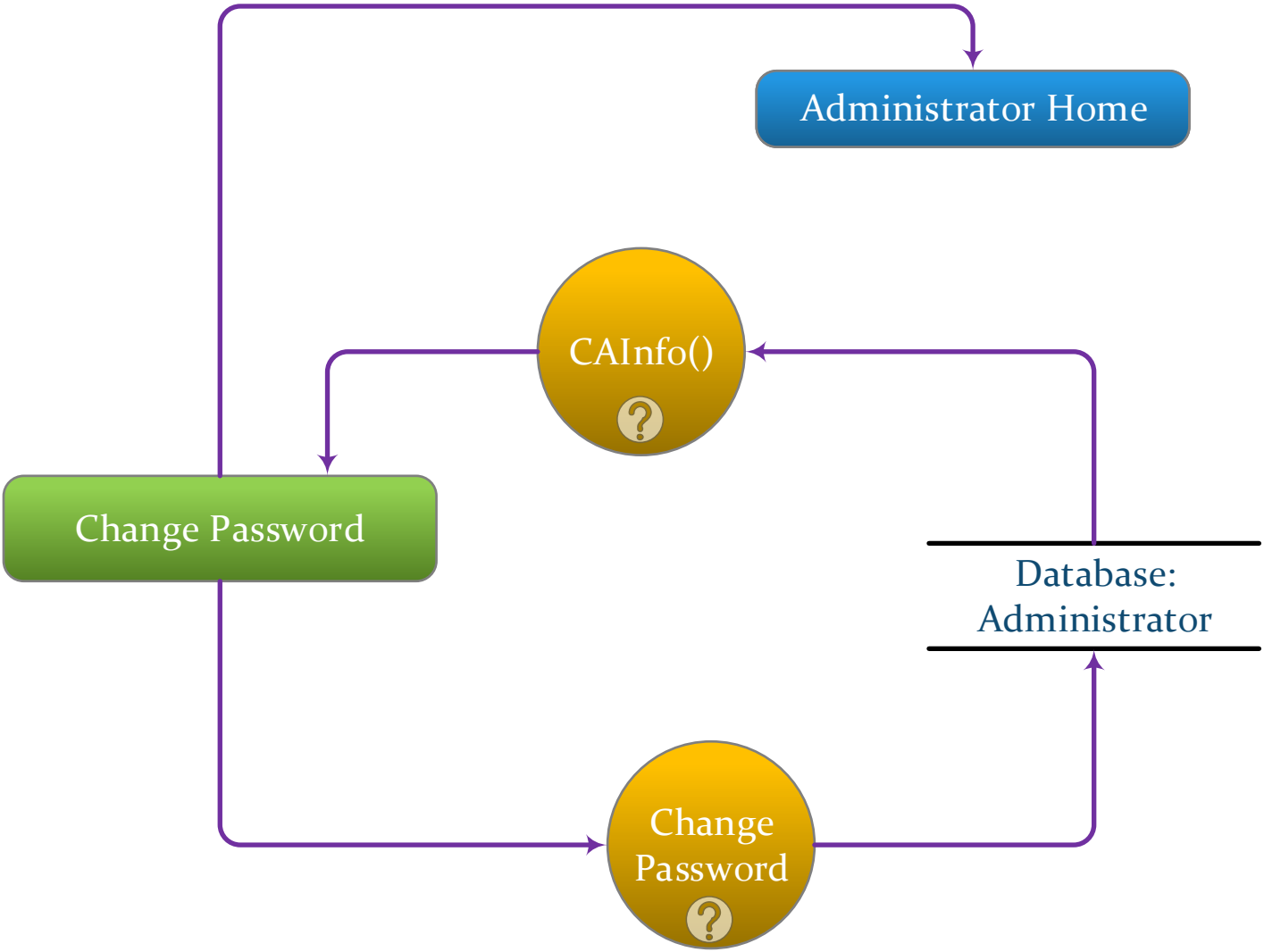
Data Flow Diagram: Level 2

Delete Administrator Developer's Page



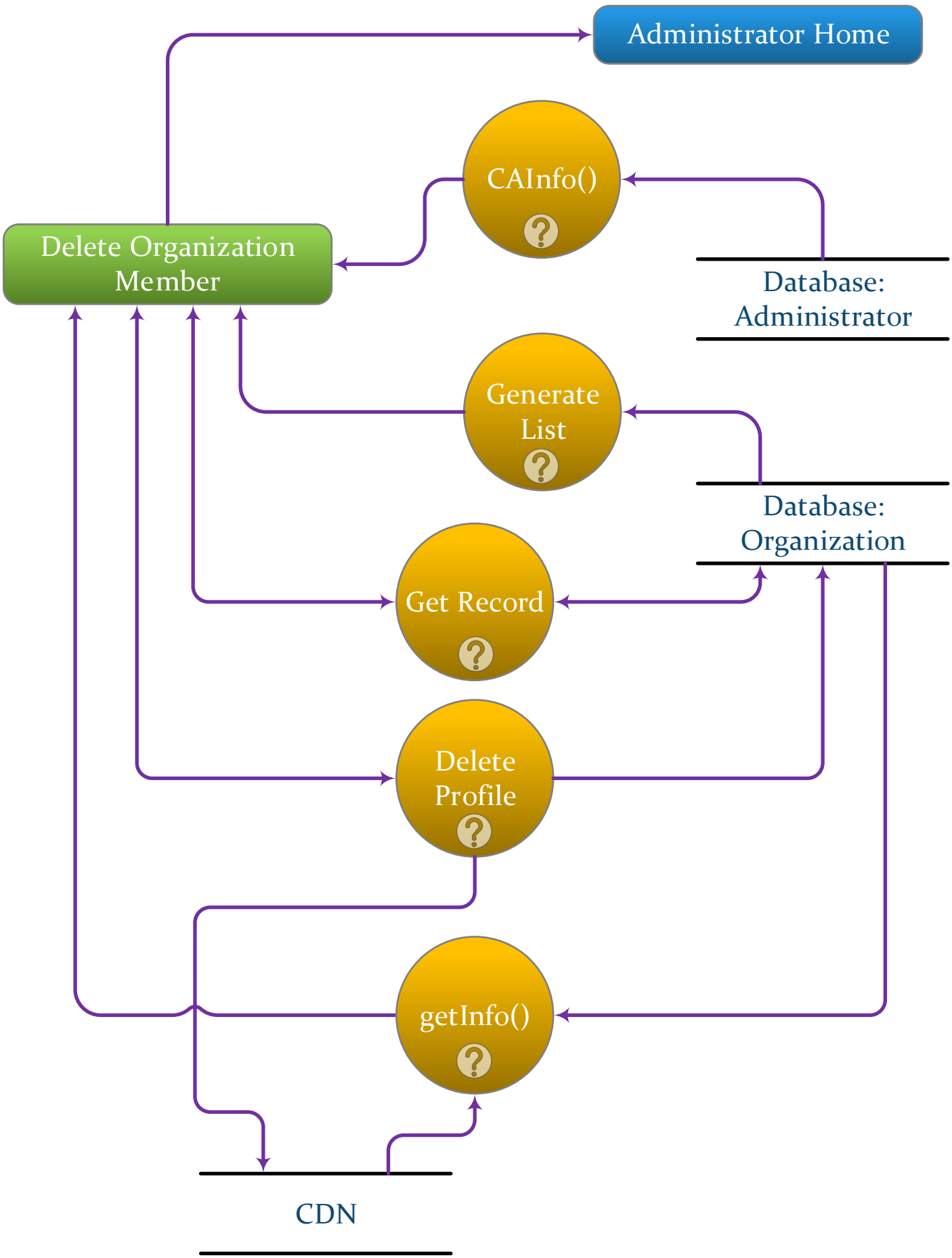
Data Flow Diagram: Level 2

Change Administrator Password Page



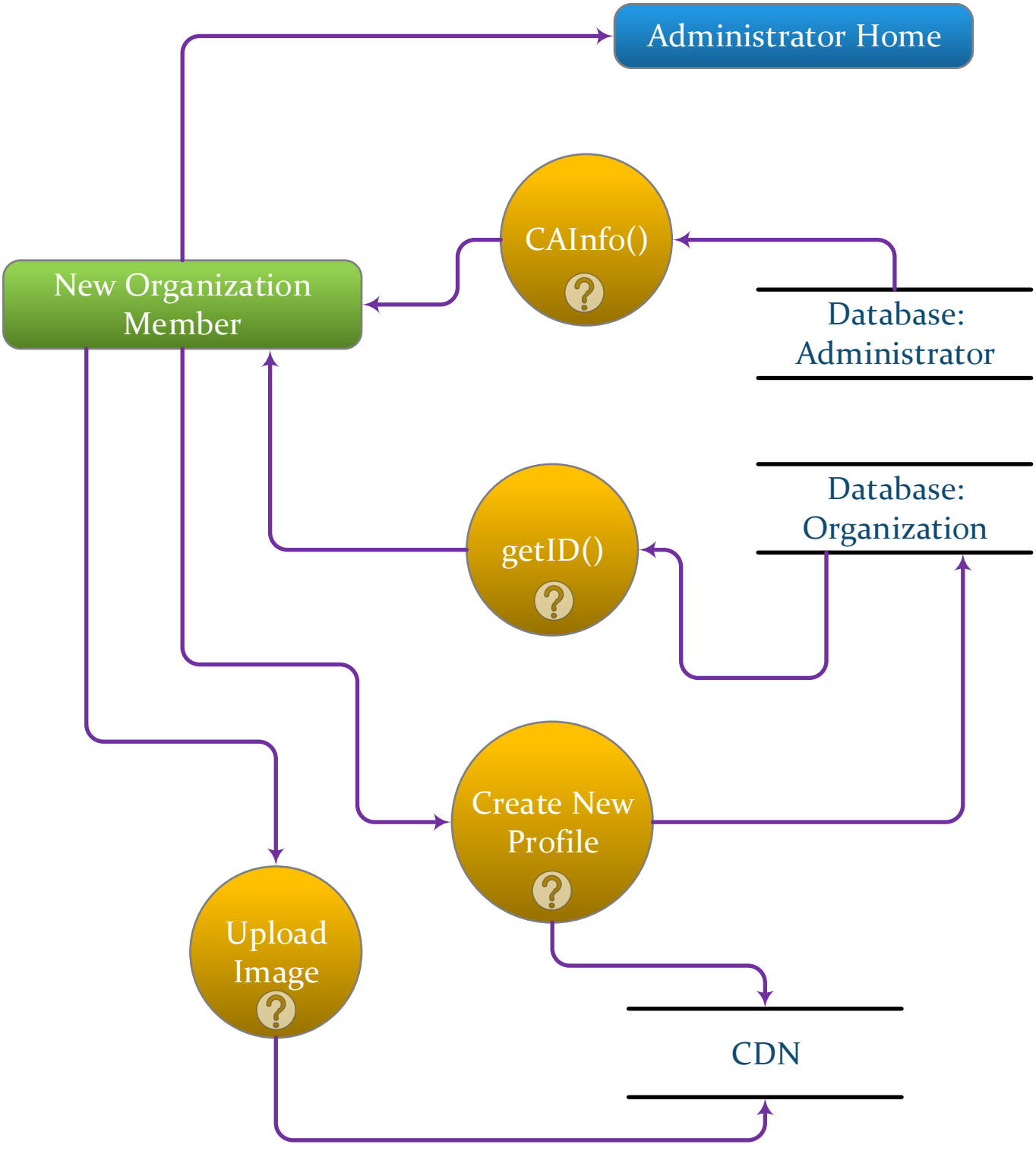
Data Flow Diagram: Level 2

Delete Organization Profile Page



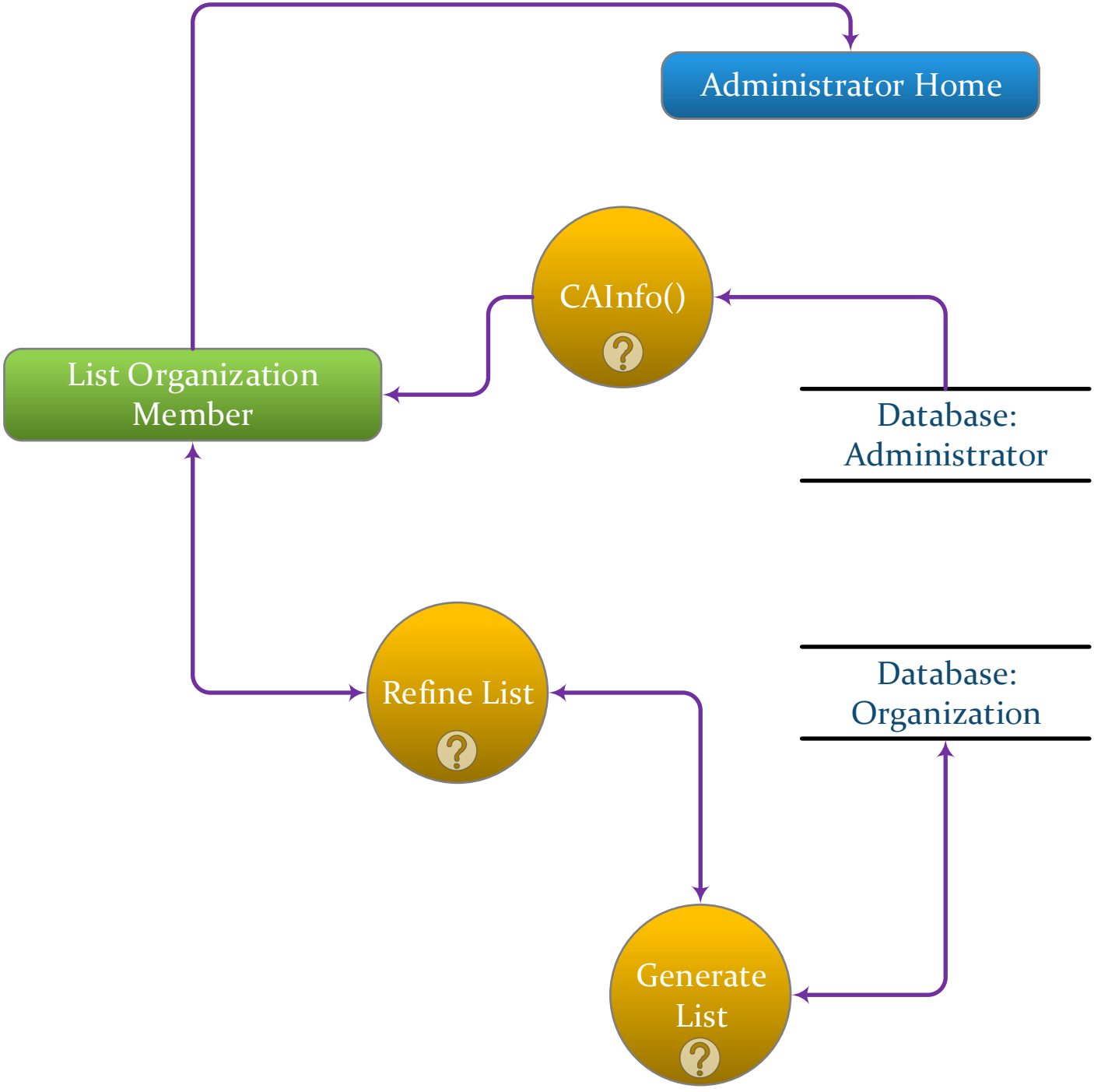
Data Flow Diagram: Level 2

New Organization Profile Page



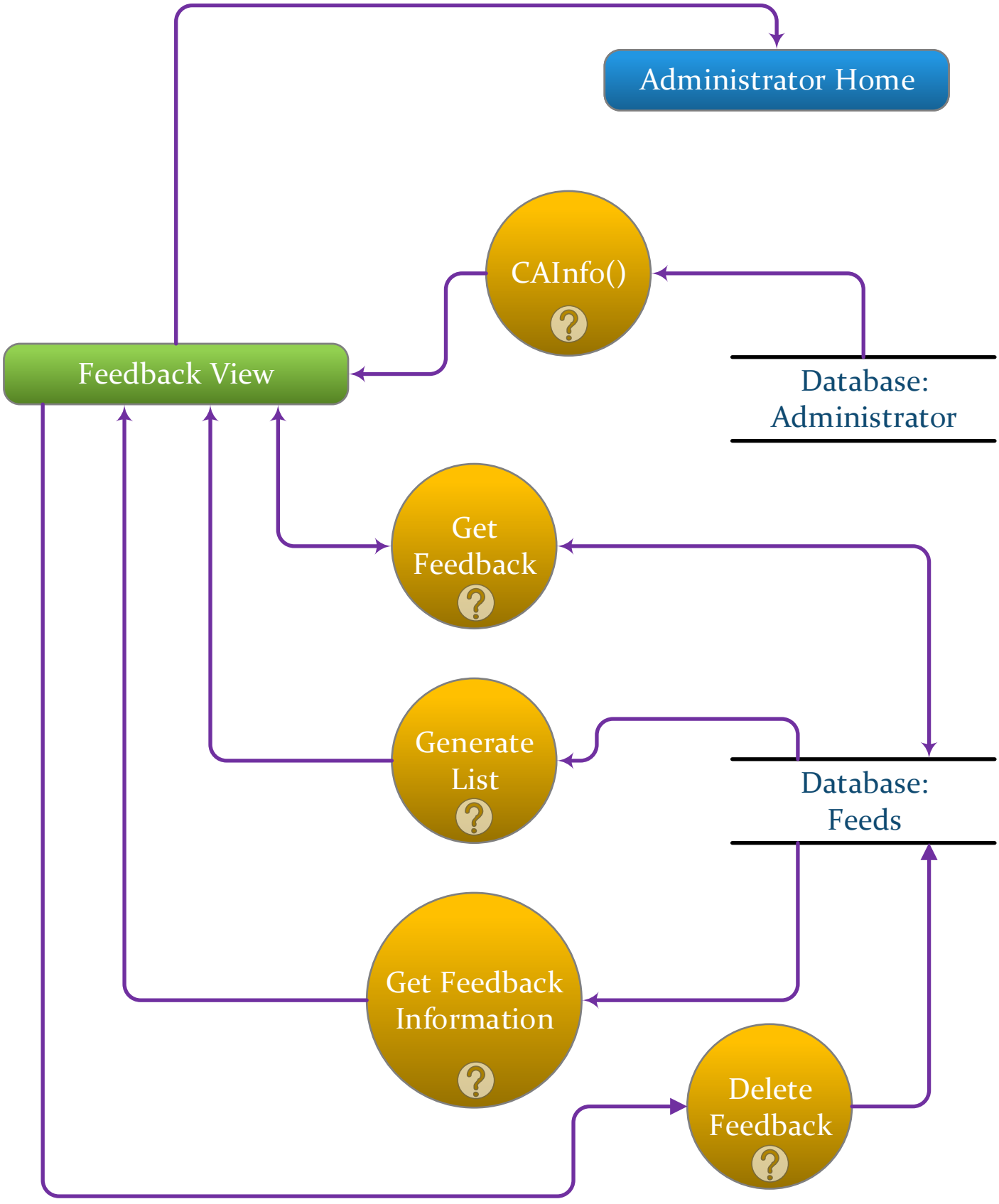
Data Flow Diagram: Level 2

List Organization Profiles Page



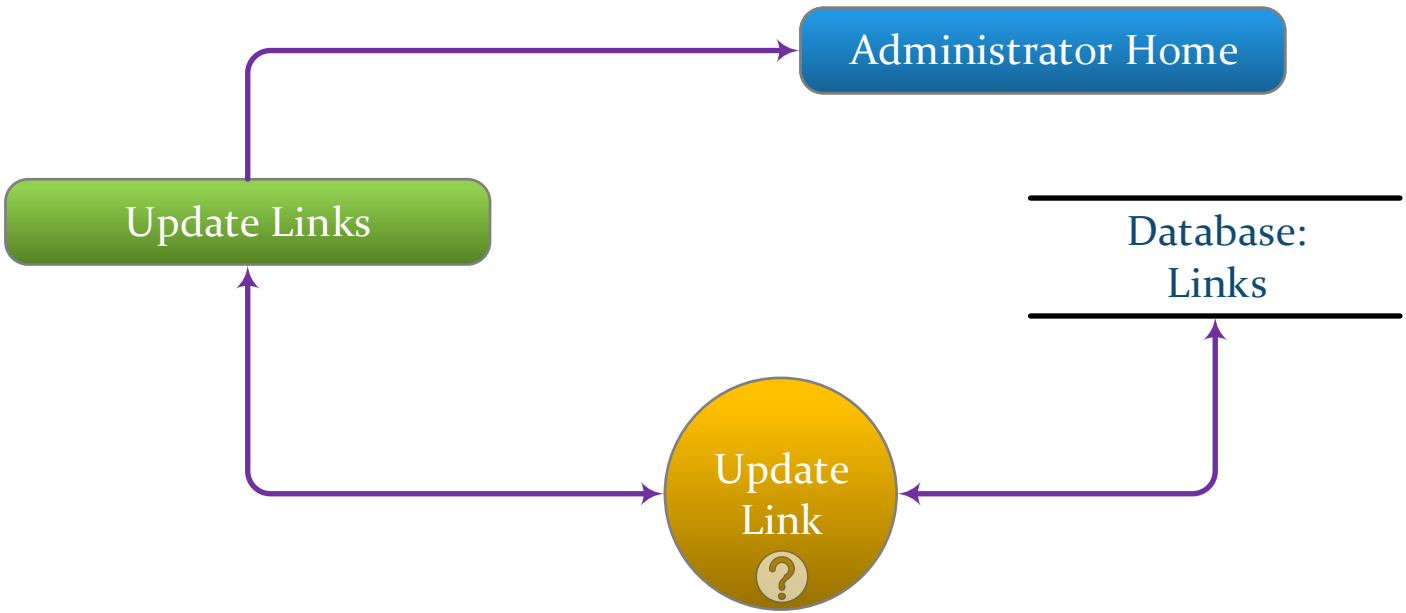
Data Flow Diagram: Level 2

Feedbacks View Page



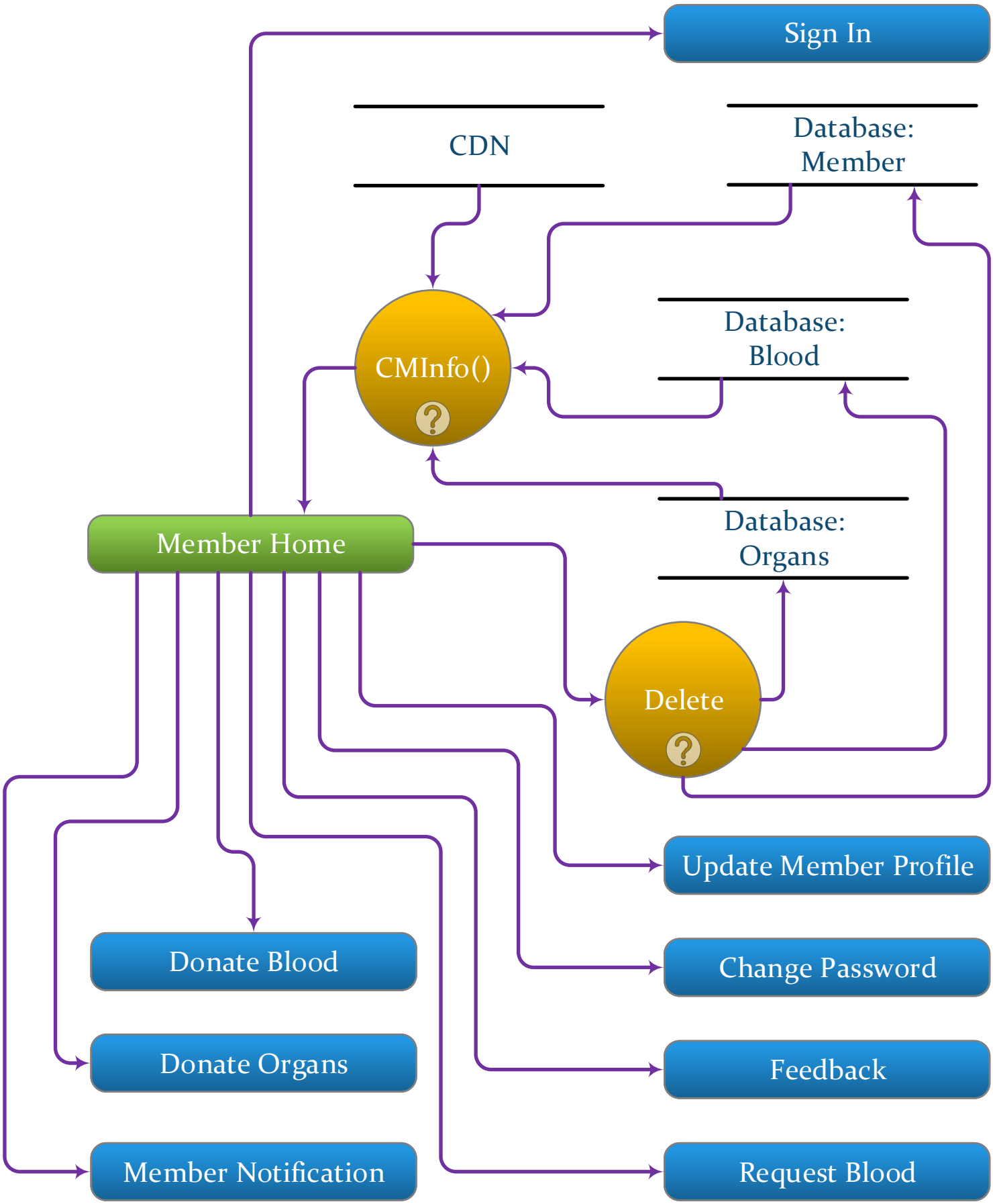
Data Flow Diagram: Level 2

Update Links Page



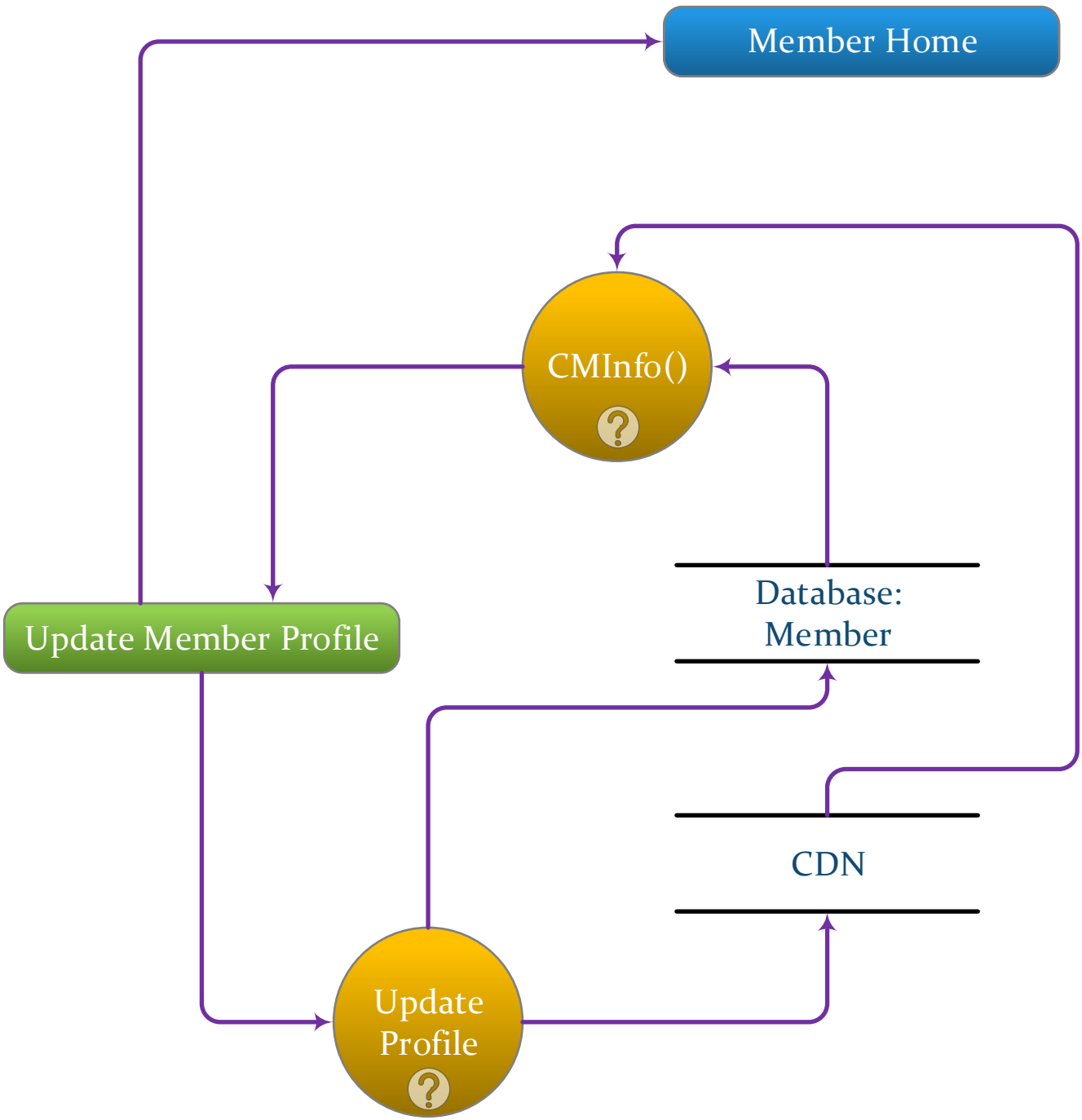
Data Flow Diagram: Level 2

Member Home Page



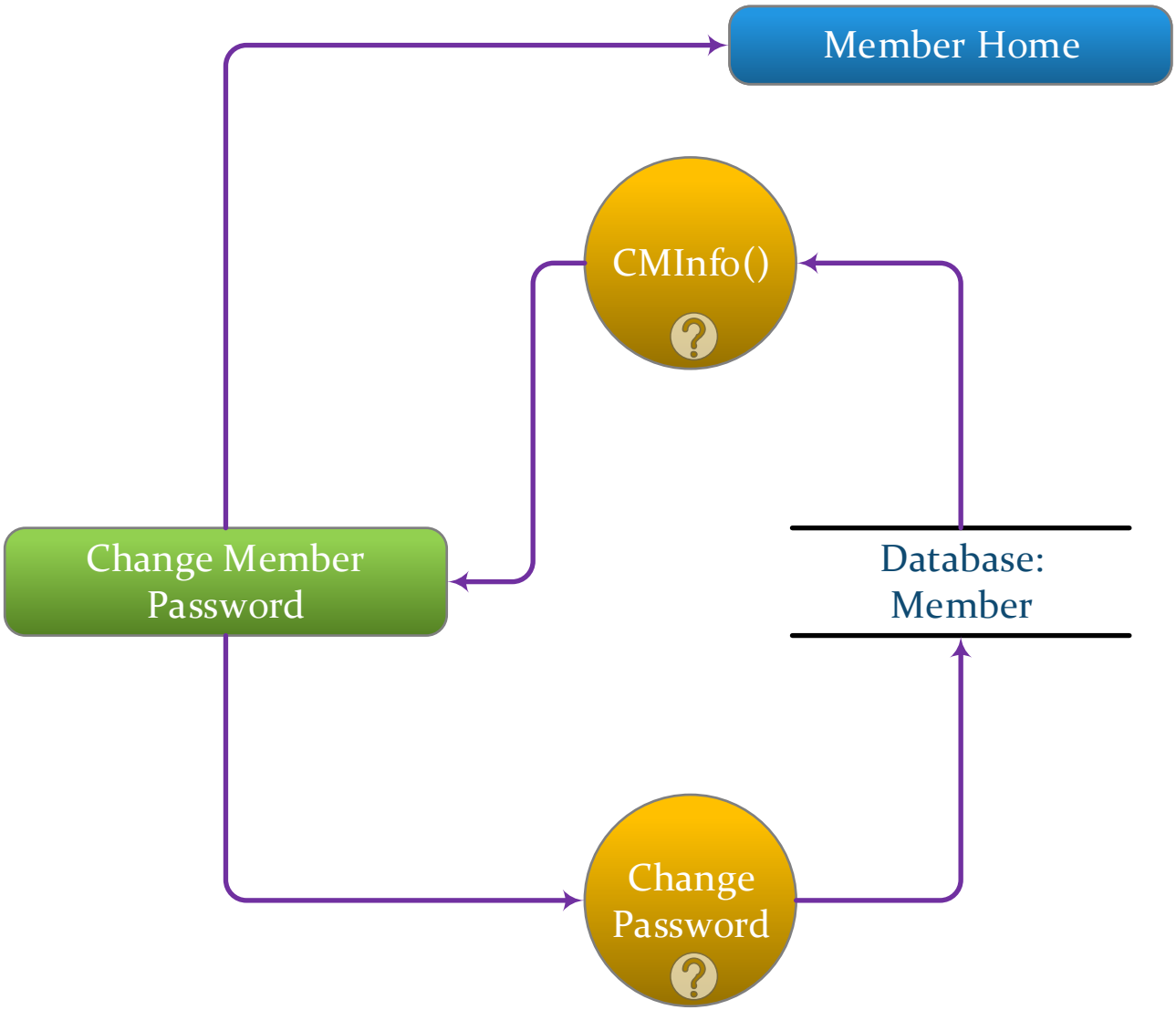
Data Flow Diagram: Level 2

Update Member Profile Page



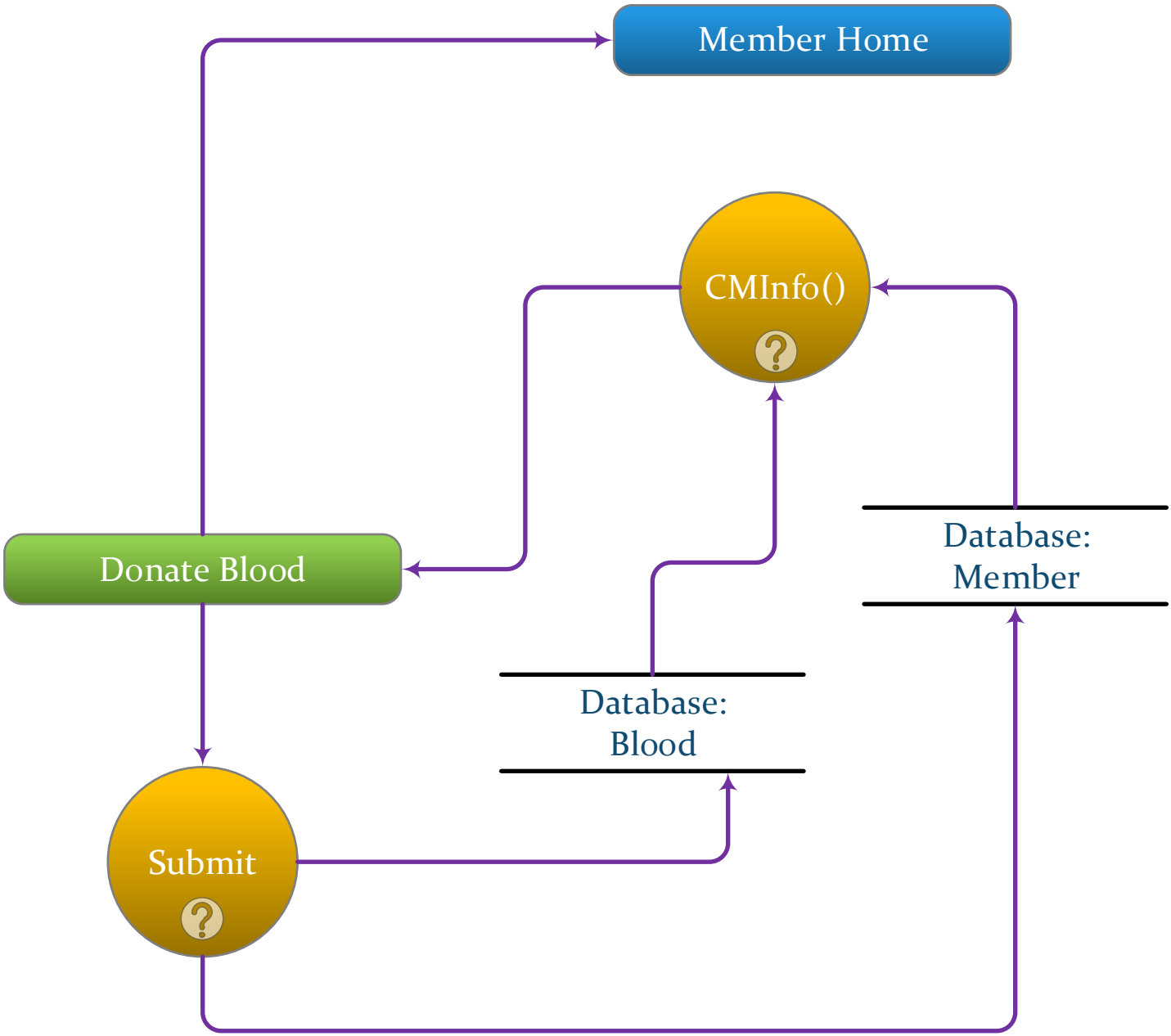
Data Flow Diagram: Level 2

Change Member Password Page



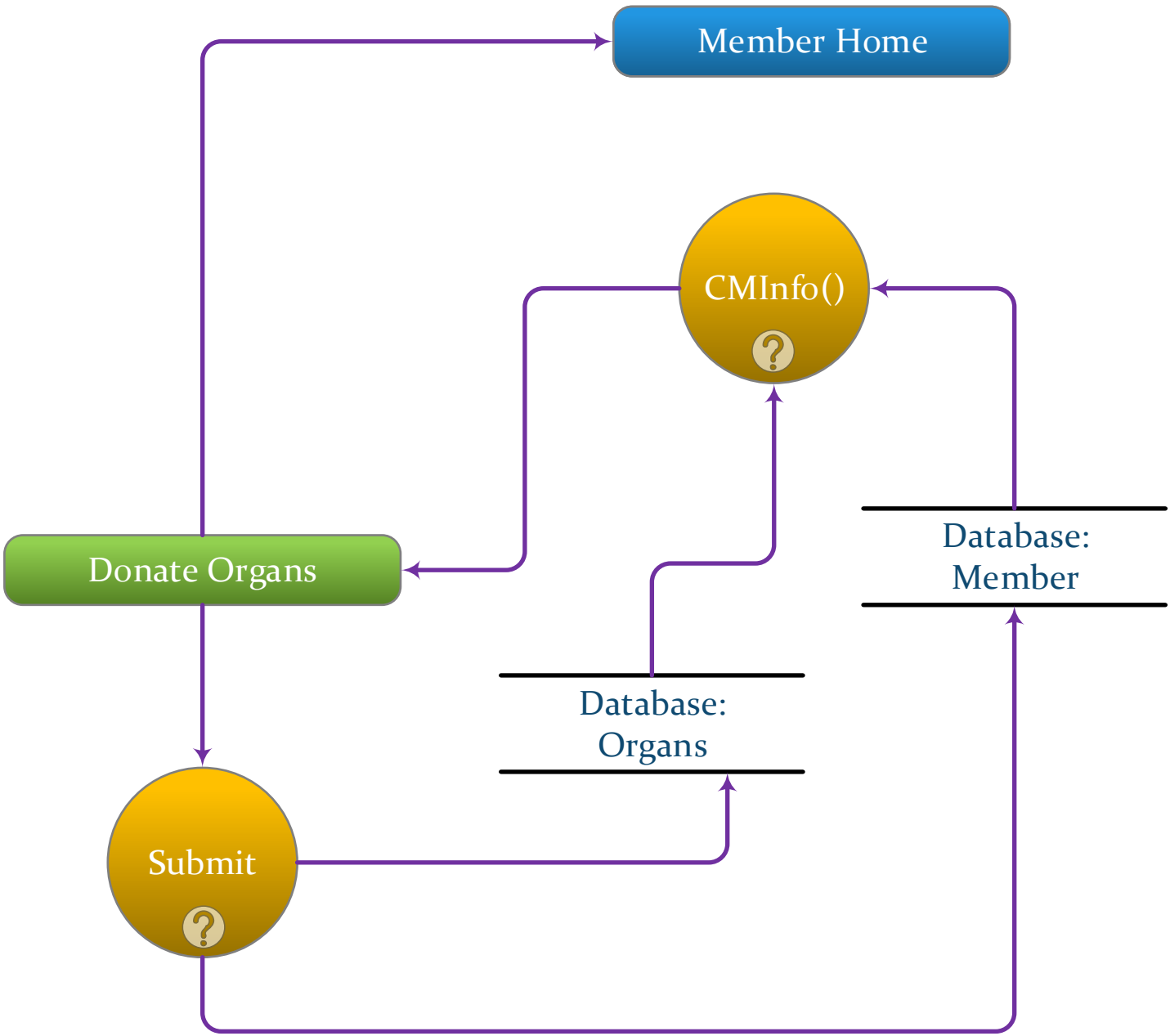
Data Flow Diagram: Level 2

Donate Blood Page



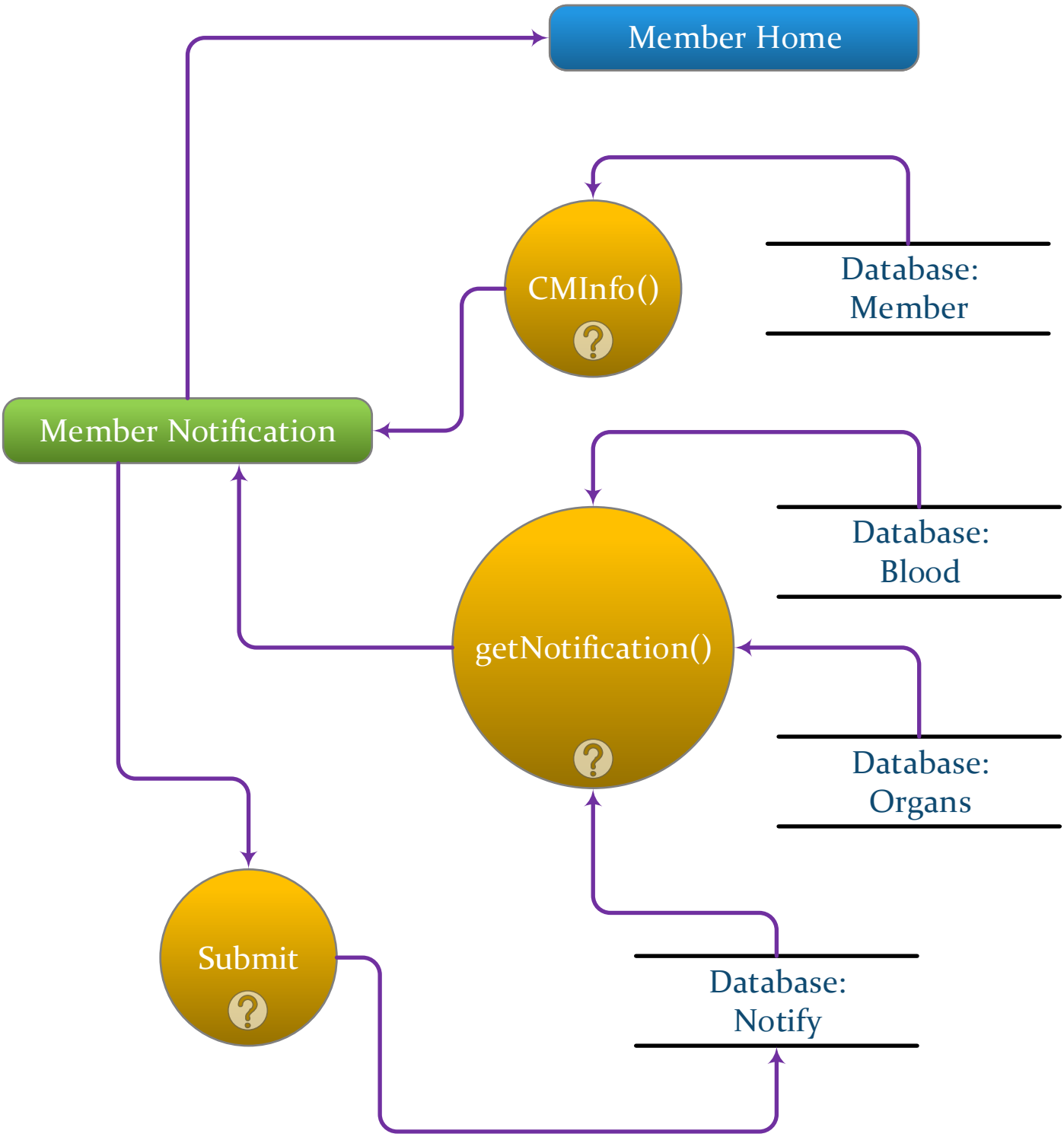
Data Flow Diagram: Level 2

Donate Organs Page



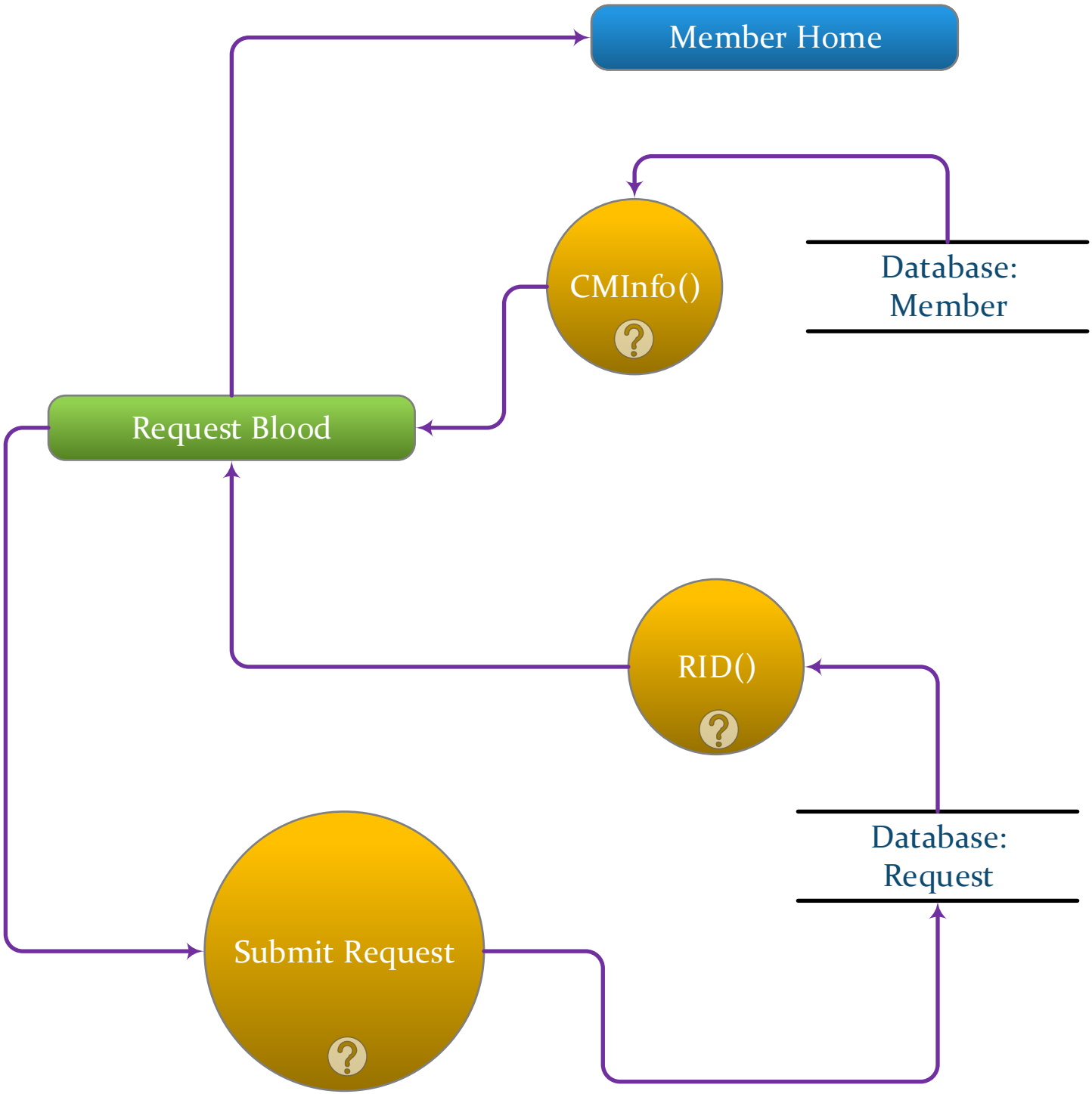
Data Flow Diagram: Level 2

Member Notification Page



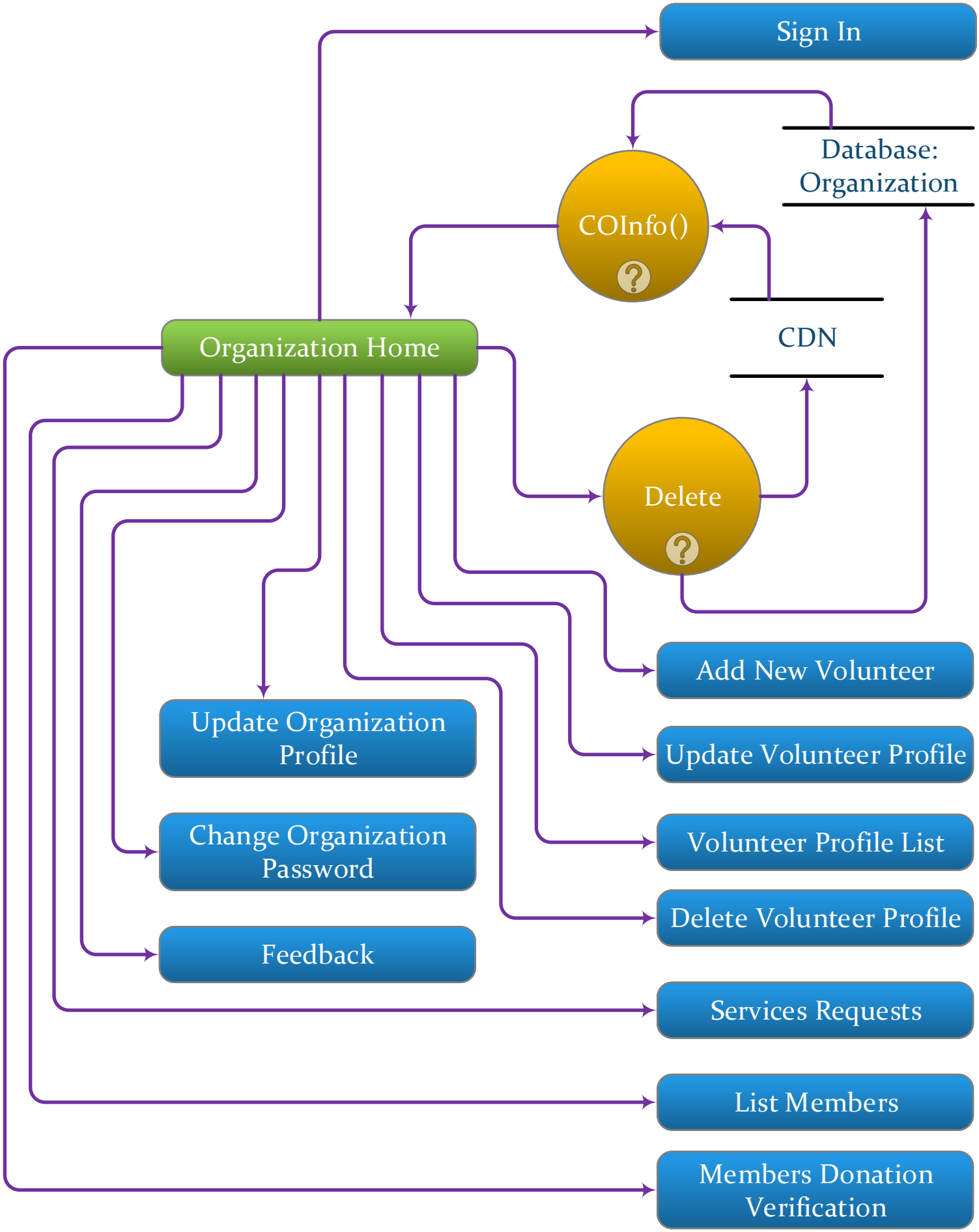
Data Flow Diagram: Level 2

Request Blood Page



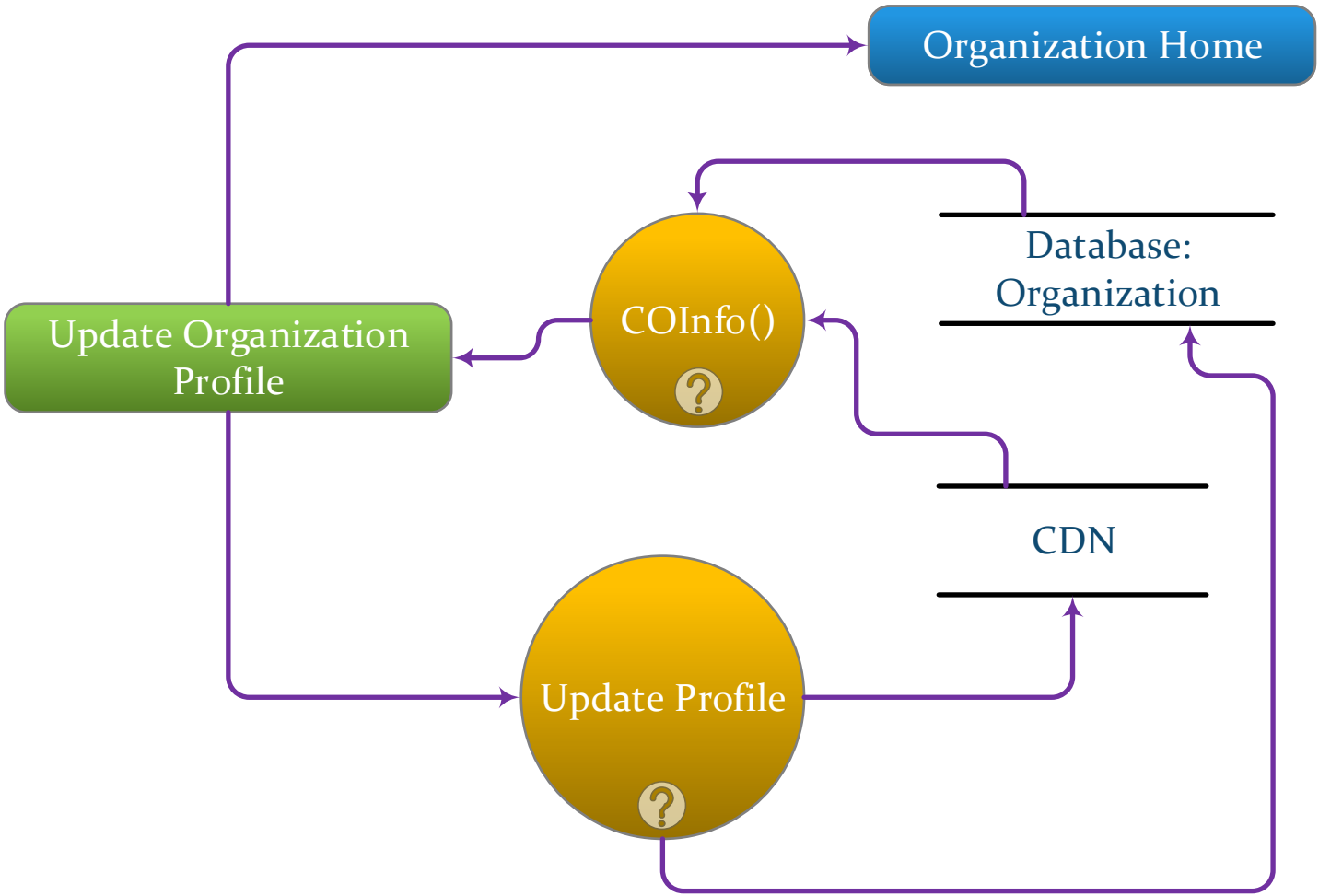
Data Flow Diagram: Level 2

Organization Home Page



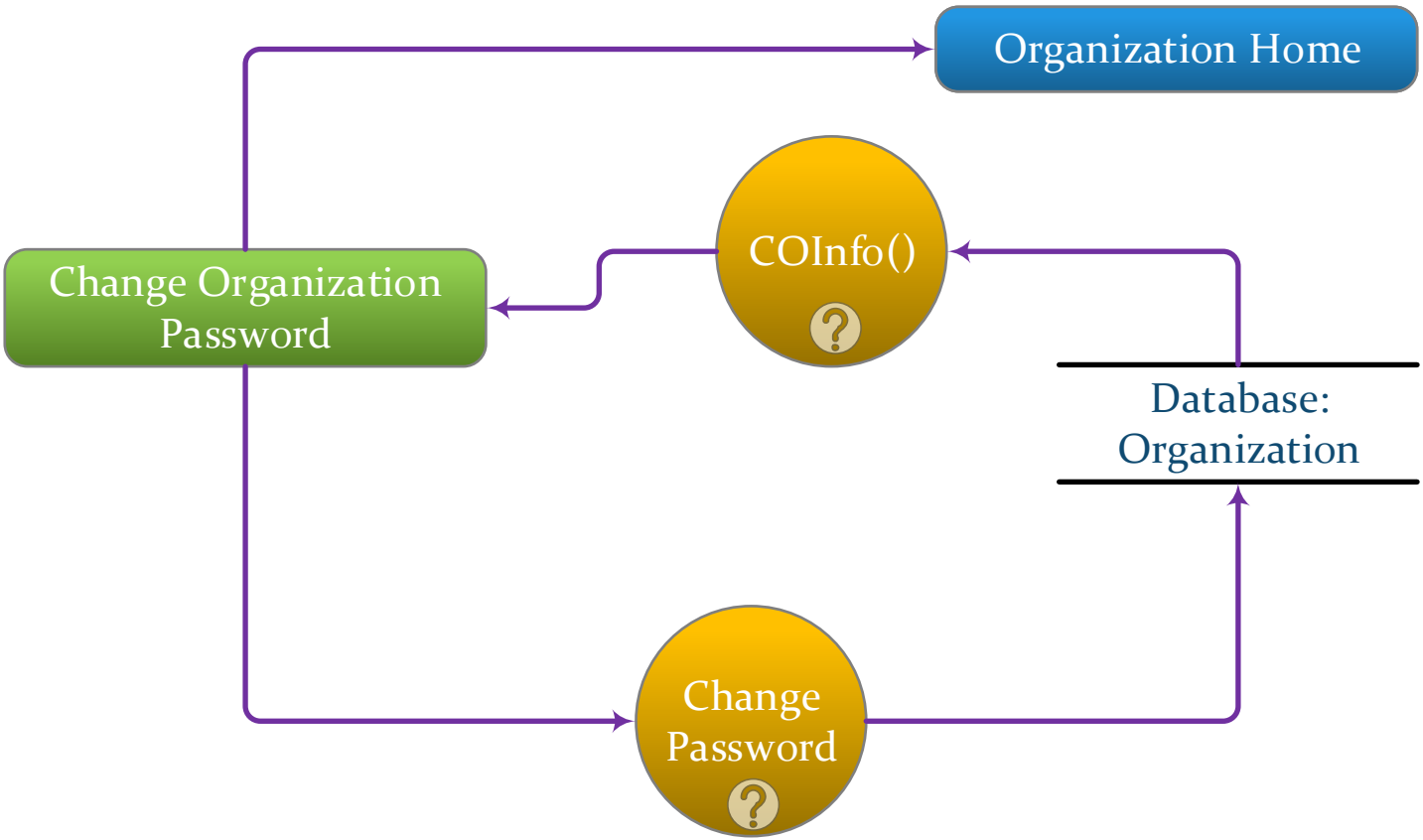
Data Flow Diagram: Level 2

Update Organization Profile Page



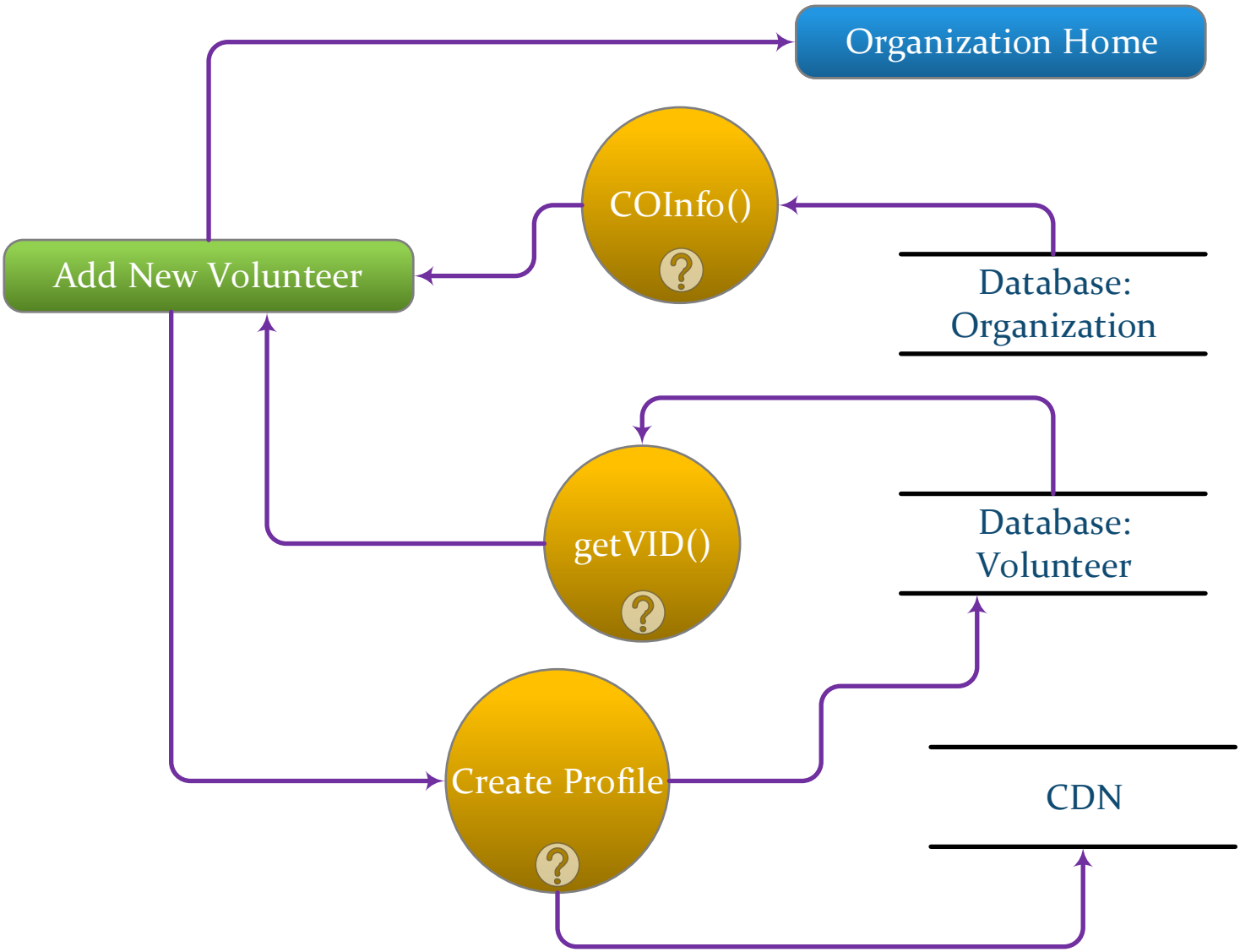
Data Flow Diagram: Level 2

Change Organization Password Page



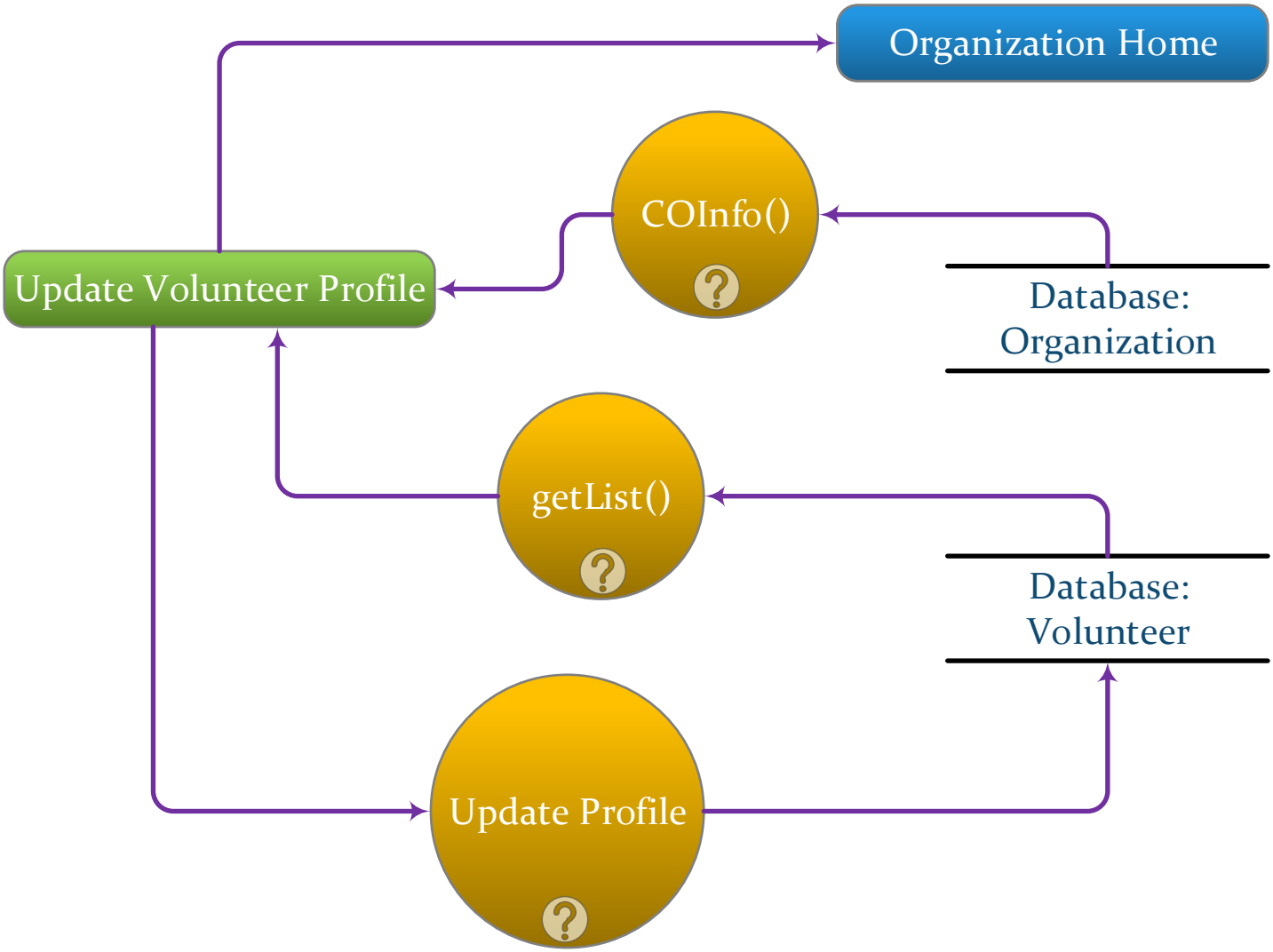
Data Flow Diagram: Level 2

Add New Volunteer Page



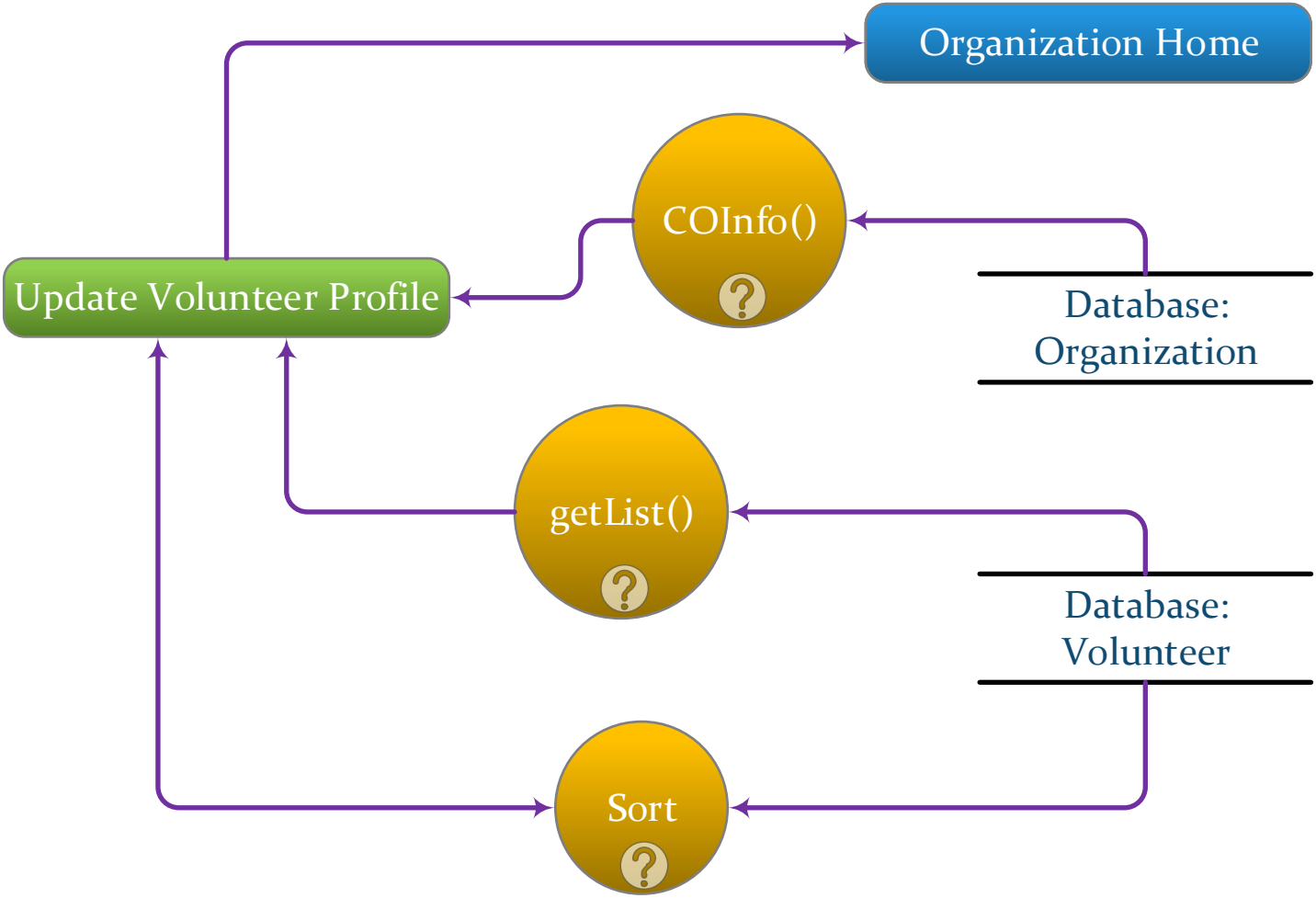
Data Flow Diagram: Level 2

Update Volunteer Profile Page



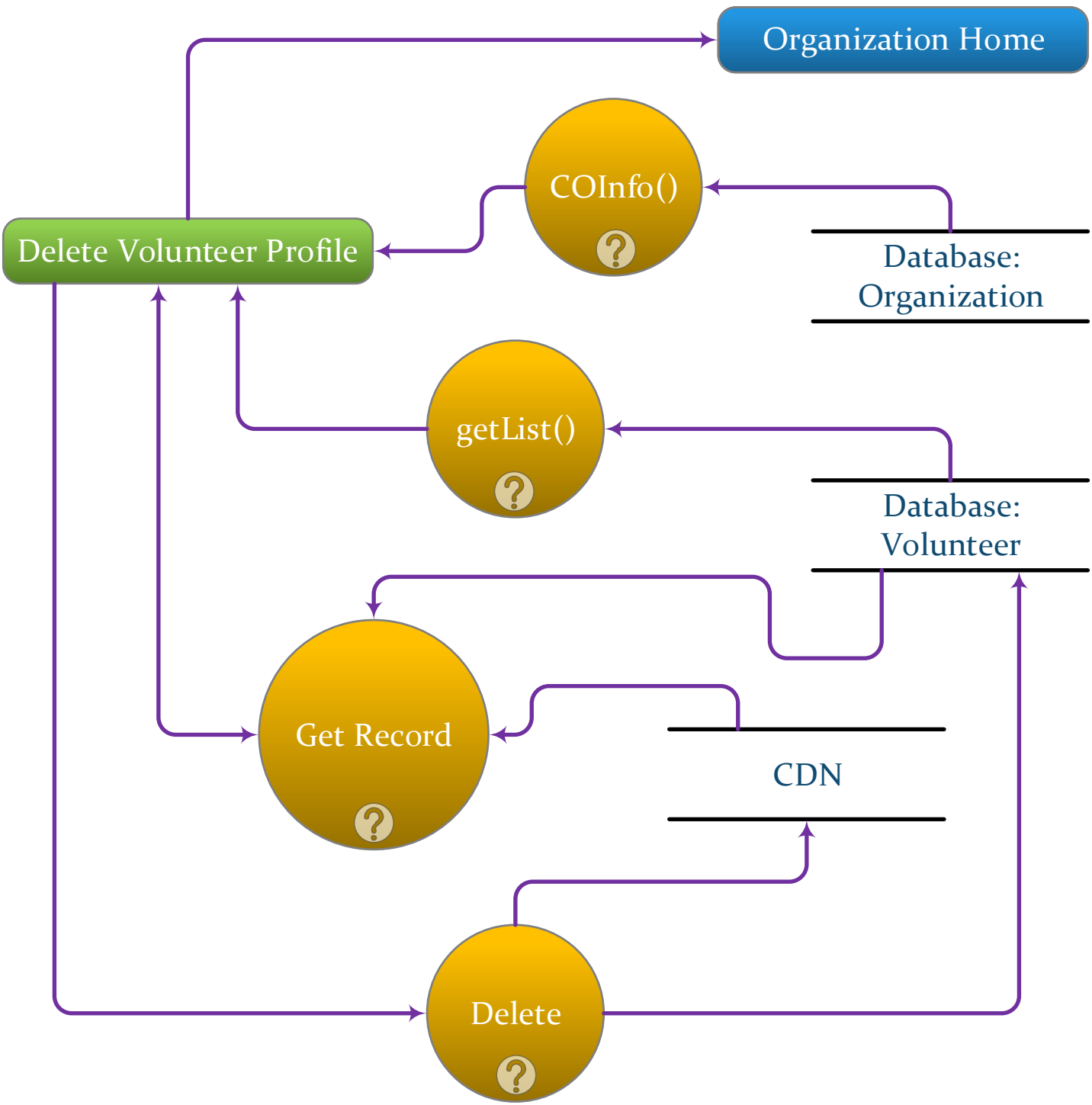
Data Flow Diagram: Level 2

Volunteer Profile List Page



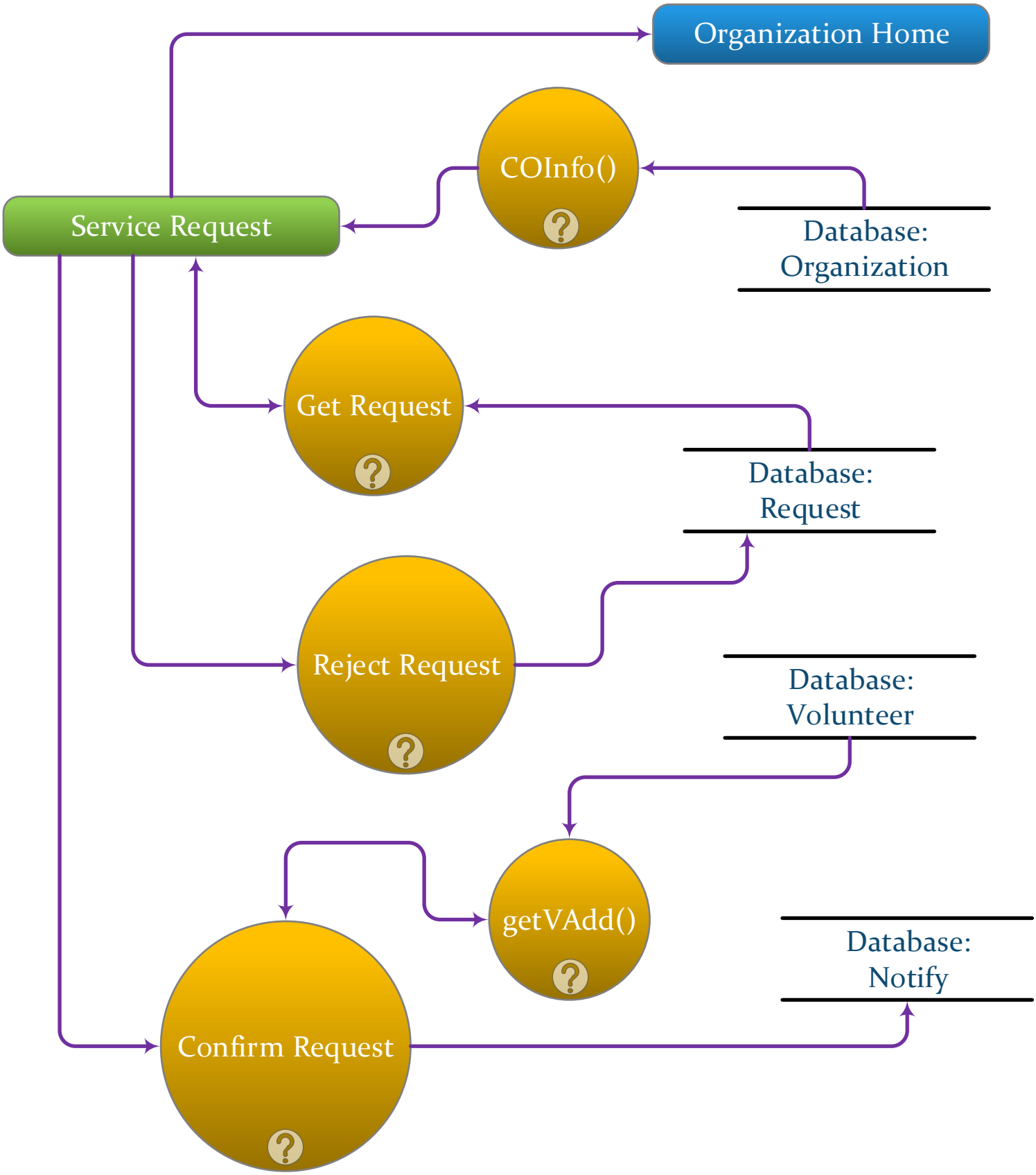
Data Flow Diagram: Level 2

Delete Volunteer Profile Page



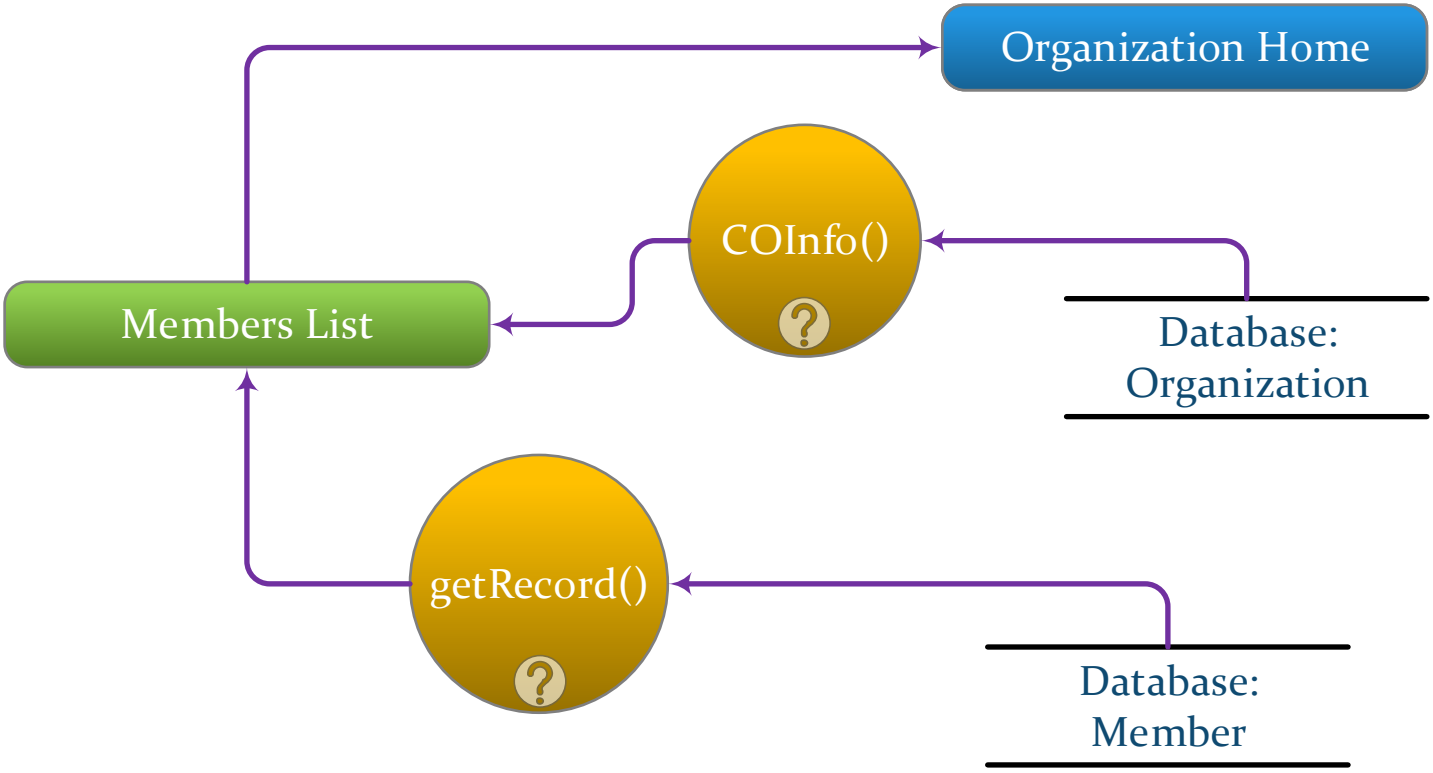
Data Flow Diagram: Level 2

Service Request Page



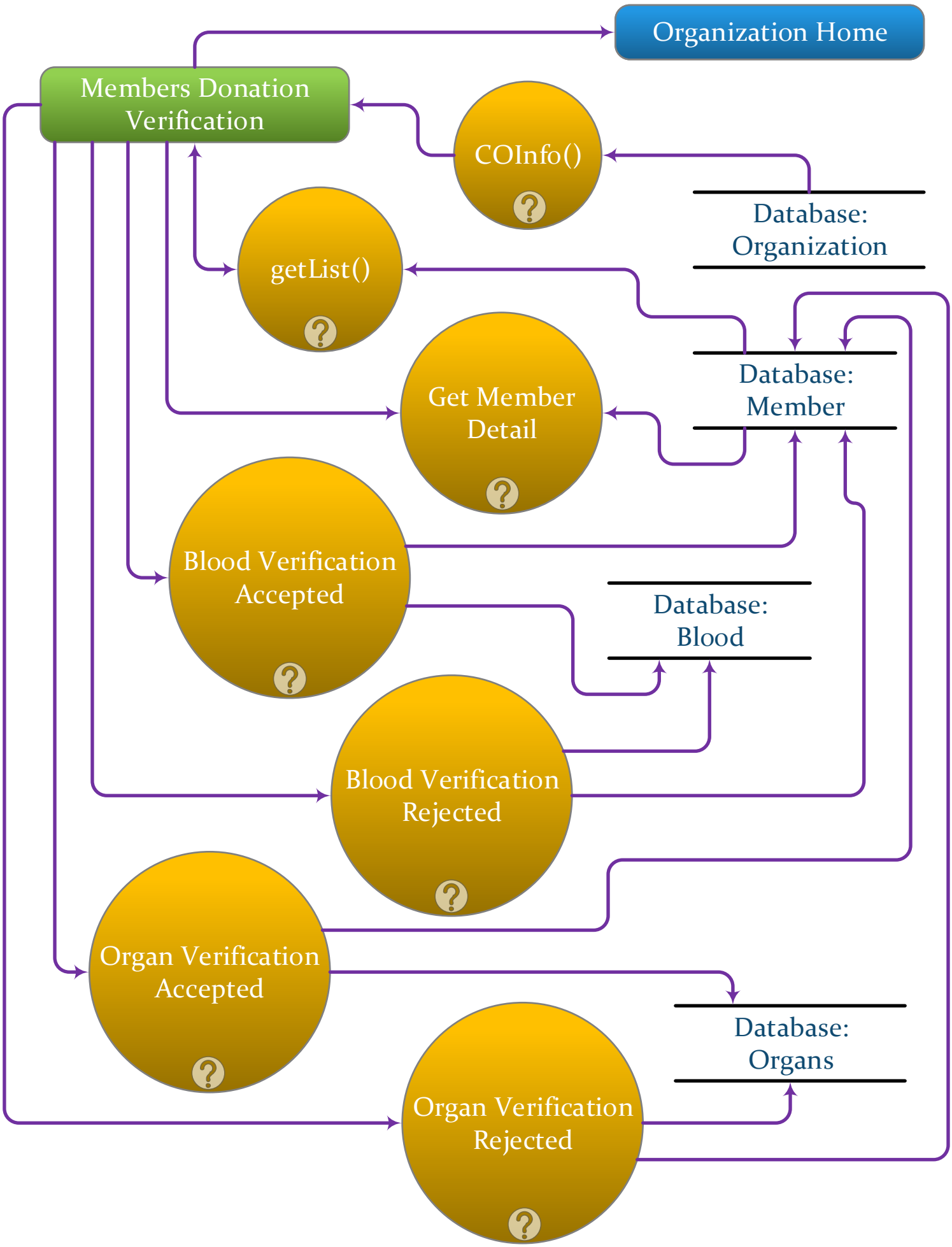
Data Flow Diagram: Level 2

Members List Page



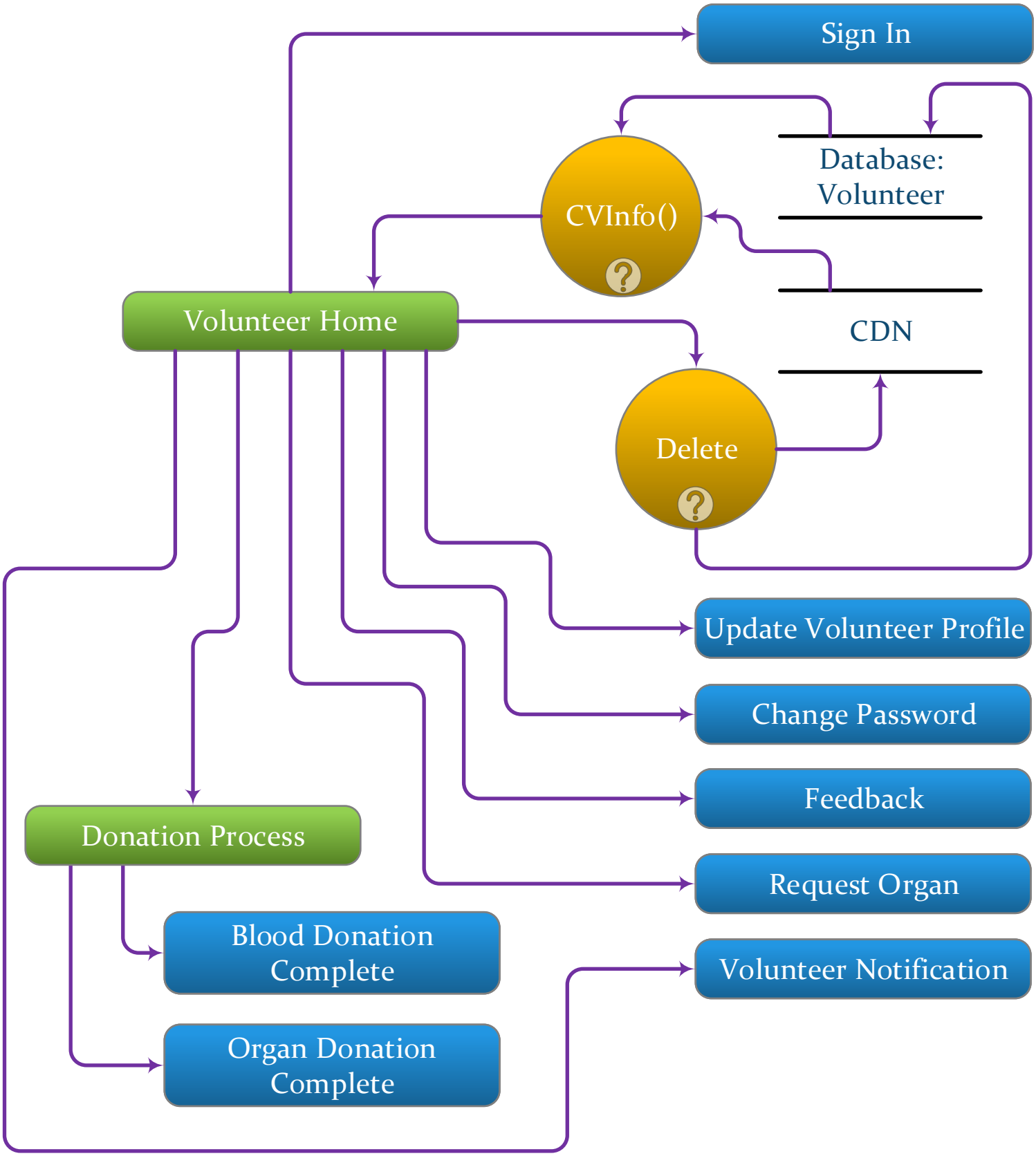
Data Flow Diagram: Level 2

Members Donation Verification Page



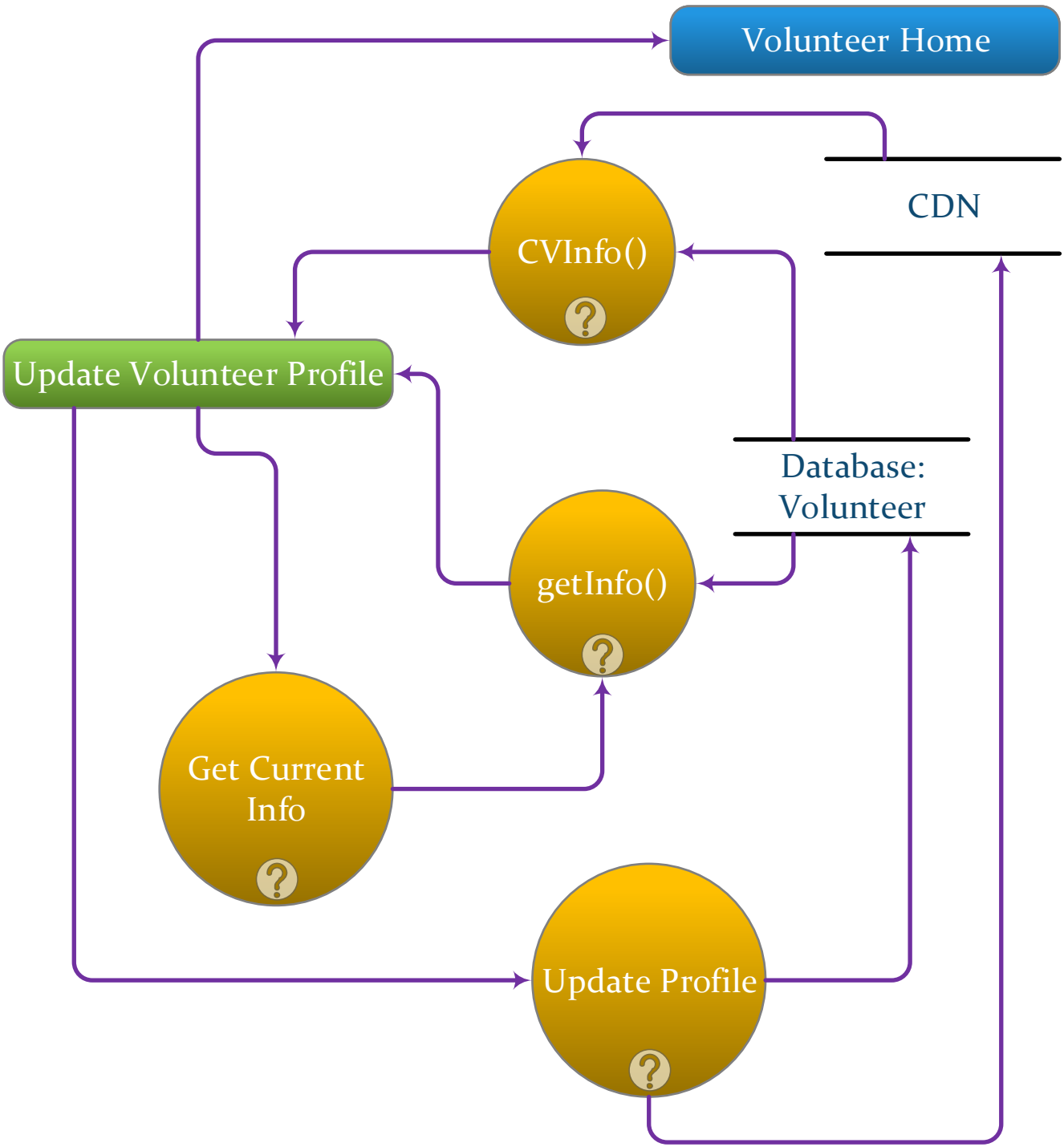
Data Flow Diagram: Level 2

Volunteer Home Page



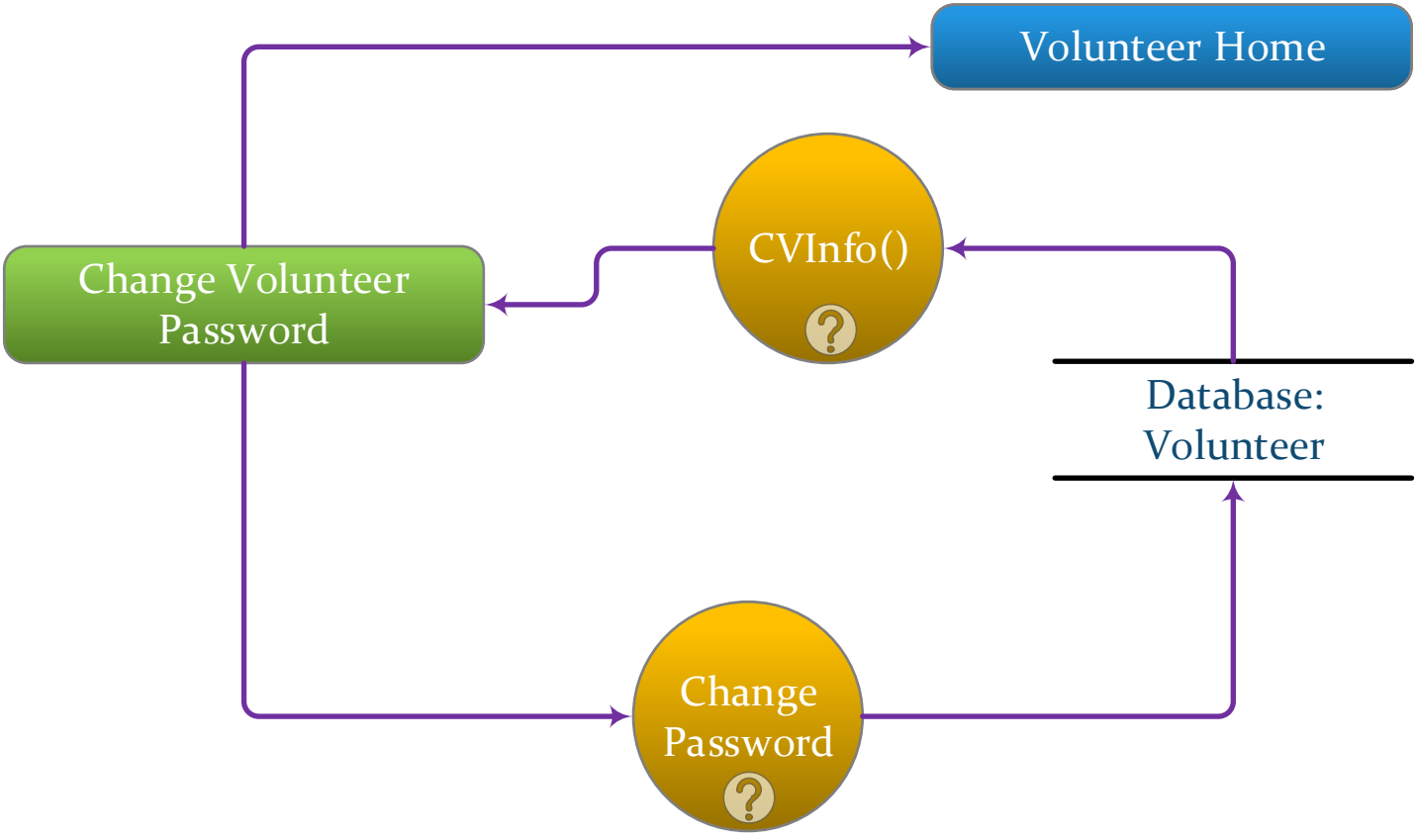
Data Flow Diagram: Level 2

Update Volunteer Profile Page



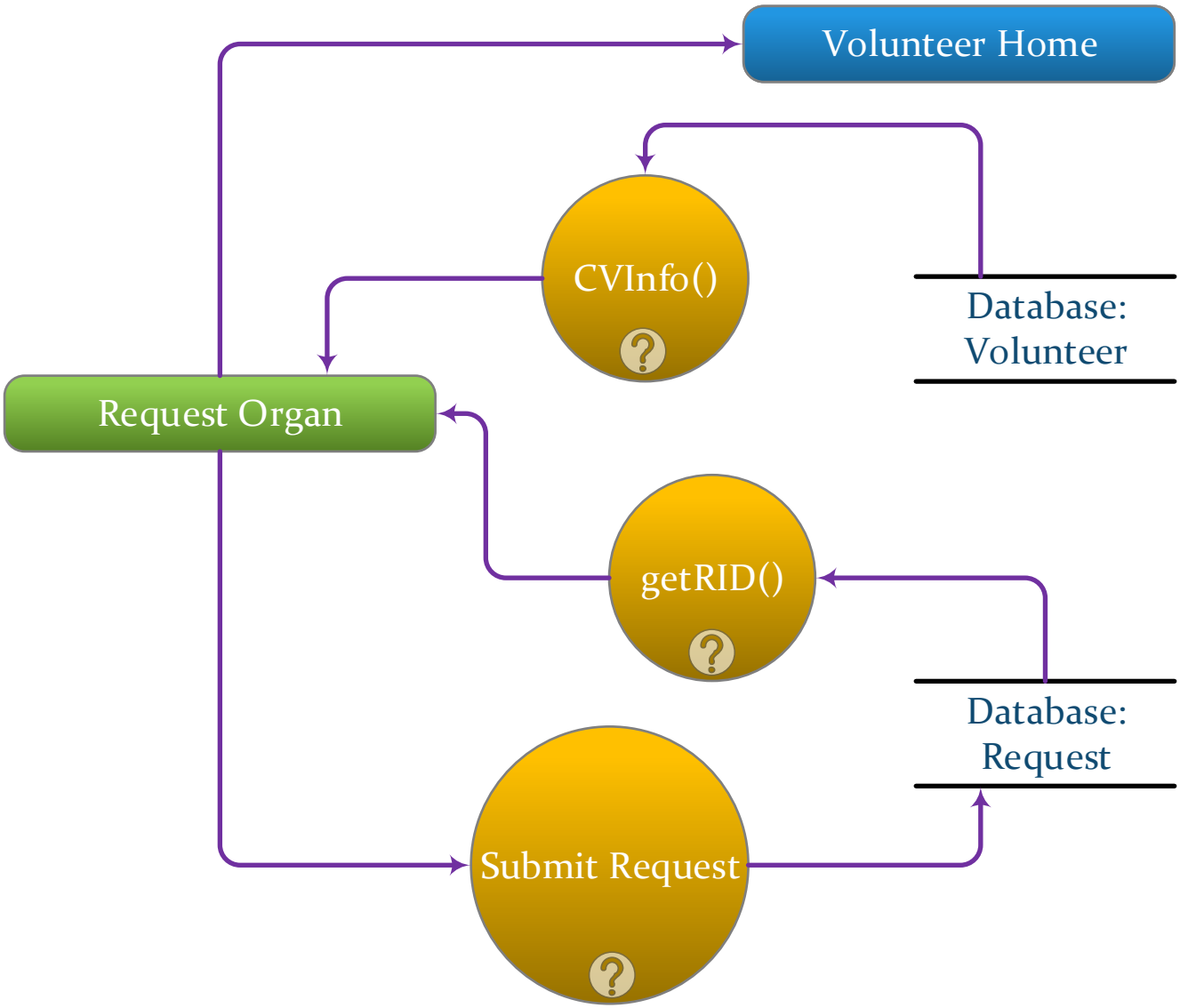
Data Flow Diagram: Level 2

Change Volunteer Password Page



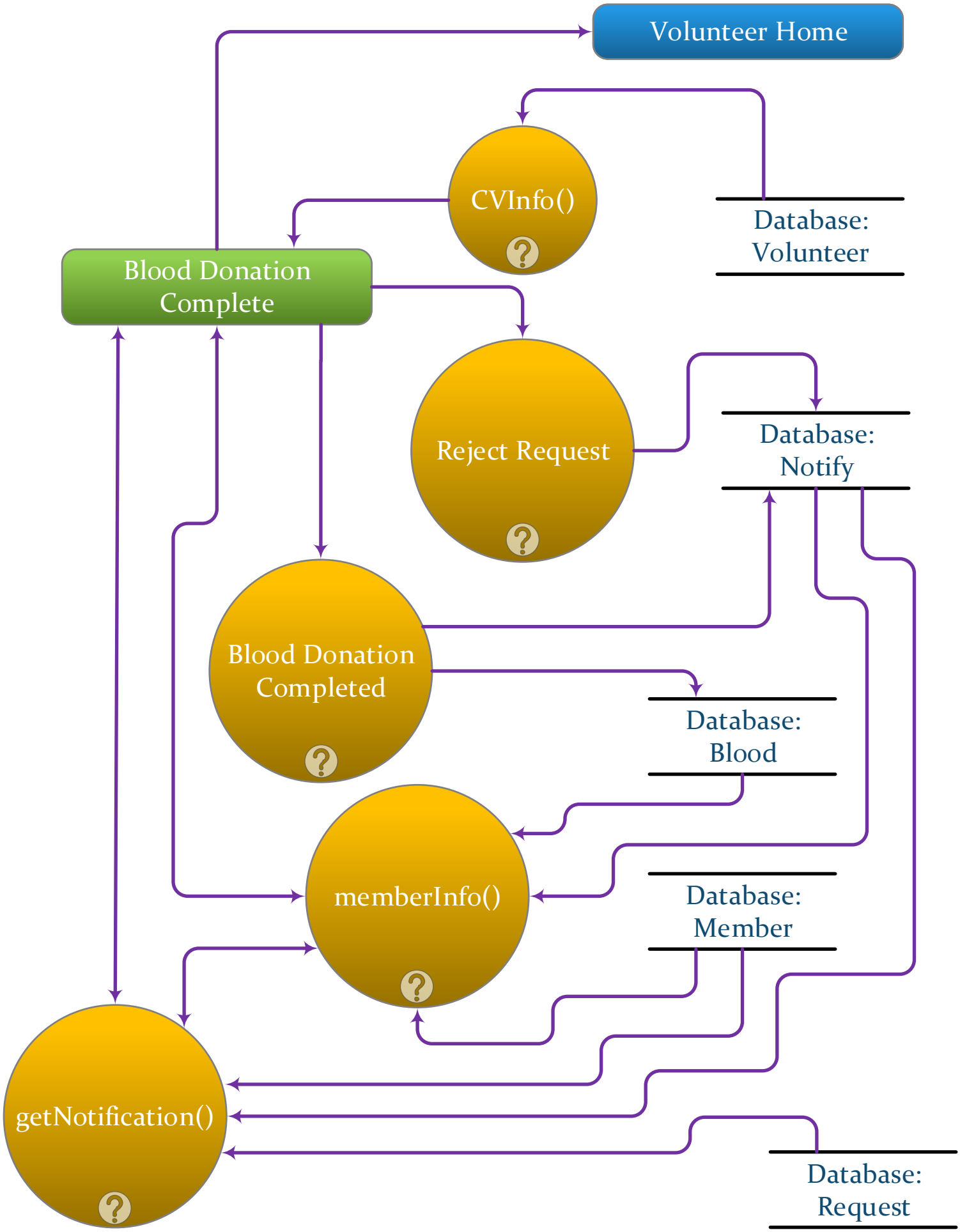
Data Flow Diagram: Level 2

Request Organ Page



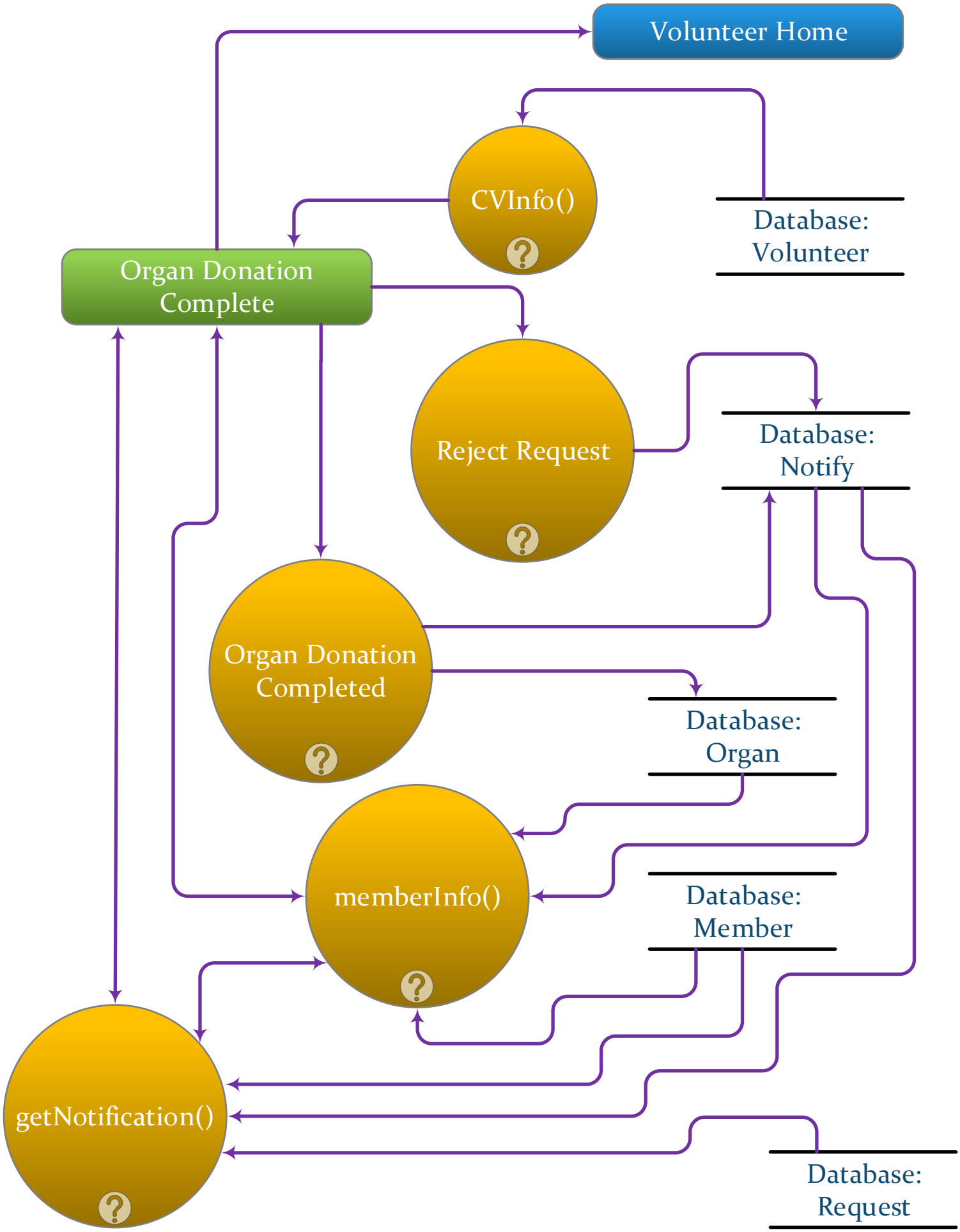
Data Flow Diagram: Level 2

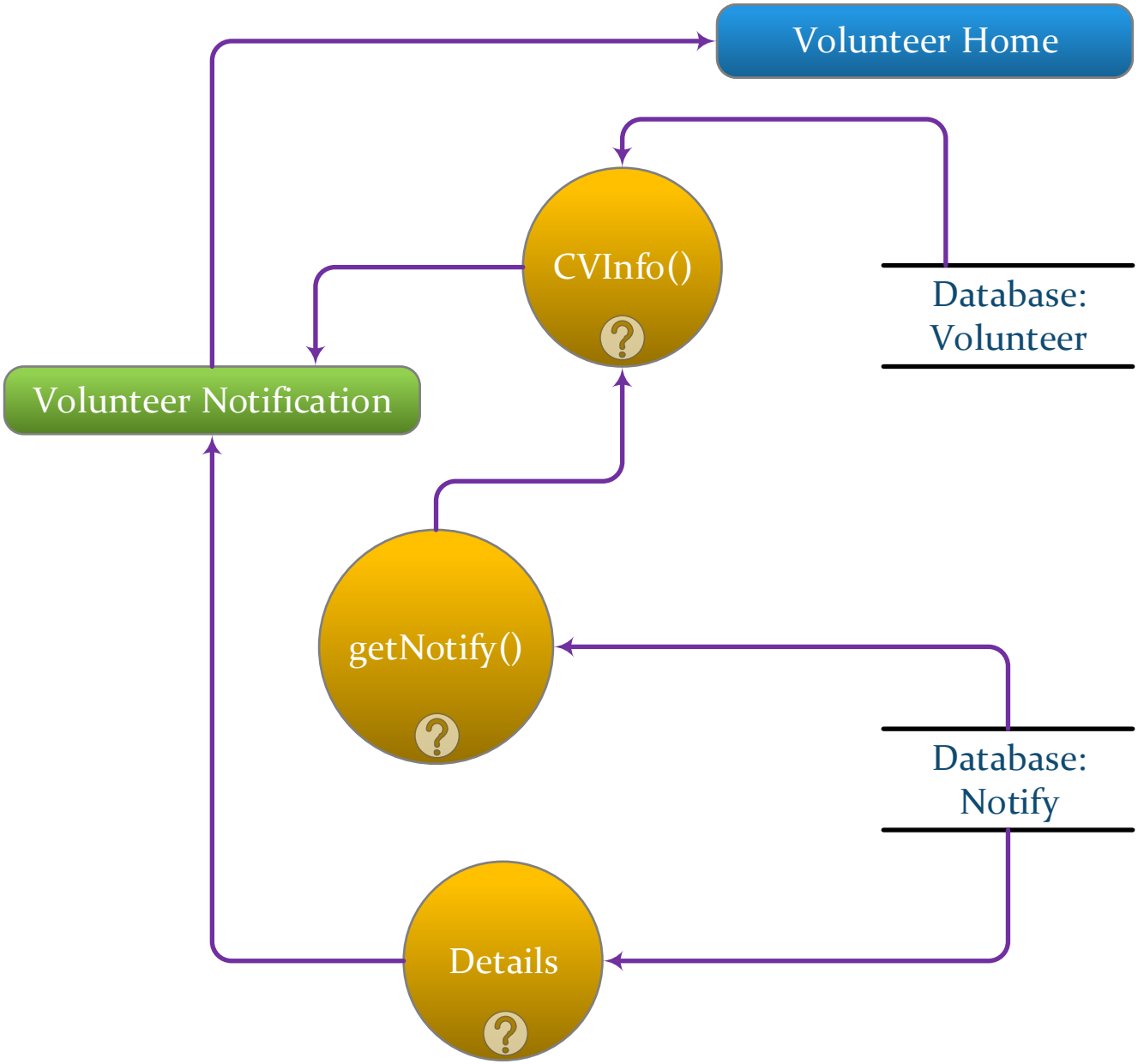
Blood Donation Complete Page



Data Flow Diagram: Level 2

Organ Donation Complete Page



Data Flow Diagram: Level 2

Volunteer Notification Page