Coursedog Application

Coursedog Middleware
- Merge Controls
- Nightly Sync
- 1x merge
- Source of Truth
- Filters
- Attribute Mapping
- Logging

Nightly Sync
- Sections
- Relationships
- Courses
- Departments
- Buildings/Rooms
- Terms
- Professors

Real Time Section Sync

SAML/CAS

https (REST)

anthology Student APIs

SQL

Data Flow

1. Request originates from Coursedog (End user hits save, admin executes a one-time merge, or nightly sync).
2. Request calls Anthology Student APIs to retrieve (GET, REST/HTTPS) new data.
3. Coursedog validates the source of truth, applies filters, and translations (where applicable).
4. Updates to Sections or Courses are sent back to the Anthology Student APIs (POST).
5. Data is updated in the Coursedog User Interface.