# Library catalog

0.*: Hypernet Information
- 0.0: Metadata for Hypernet Information
- 0.1: Code
  - 0.1.0: Metadata for Code
  - 0.1.1 Code
  - 0.1.2 Documentation
- 0.2: Node Lists
  - 0.2.0: Metadata for Node Lists
- 0.3: Control Data
  - 0.3.1 Downstream links
- 0.4: Placeholder
- 0.5: Objects - Master Object
  - 0.5.0: Metadata for Object Definitions
  - 0.5.1: Sub-Objects
    - 0.5.1.0: Metadata for General Definitions
    - 0.5.1.1: Person
      - 0.5.1.1.0: Metadata for Person
      - 0.5.1.1.1: Properties
        - Note: Early draft for the properties of the Person object type.
        - 0.5.1.1.1.1: Hypernet Address (Unique address of the person in the Hypernet, String, Yes)
        - 0.5.1.1.1.2: Name (Full name of the person, String, Yes)
        - 0.5.1.1.1.3: Preferred Name (Name the person prefers to be called, String, No)
        - 0.5.1.1.1.4: Birthdate (Birth date of the person, Date, No)
        - 0.5.1.1.1.5: Nationality (Nationality or nationalities of the person, List of Strings, No)
        - 0.5.1.1.1.6: Languages (Language or languages the person speaks, List of Strings, No)
        - 0.5.1.1.1.7: Location (Current location of the person, String, No)
        - 0.5.1.1.1.8: Gender (Gender identity of the person, String, No)
        - 0.5.1.1.1.9: Occupation (Occupation or occupations of the person, String, No)
        - 0.5.1.1.1.10: Education (Highest level of education or institutions attended, String, No)
        - 0.5.1.1.1.11: Skills (Particular skills or expertise the person has, List of Strings, No)
        - 0.5.1.1.1.12: Interests (Particular interests or hobbies the person has, List of Strings, No)
        - 0.5.1.1.1.13: Finances (Subcategory for Financial data and records)
        - 0.5.1.1.1.14: Medical Records (Subcategory for Health-related data)
        - 0.5.1.1.1.15: Multimedia (Photos, videos, and other mesxcllltimedia, Encrypted Data, No)
        - 0.5.1.1.1.16: Passwords (Subcategory for Passwords for

various services)
- 0.5.1.1.1.17: Social Media (Subcategory for Data related to social media accounts)
- 0.5.1.1.1.18: Other Data (Any other data the person chooses to store, Encrypted Data, No)
- 0.5.1.1.2: Methods
  - 0.7.1.2.1: Create
  - 0.7.1.2.2: Read
  - 0.7.1.2.3: Update
  - 0.7.1.2.4: Delete
  - etc.
- 0.5.1.2: Organization/Business
  - 0.5.1.2.0: Metadata for Organization/Business
  - 0.5.1.2.1: Properties
  - 0.5.1.2.2: Methods
  - etc.
- 0.5.1.3: Multimedia
  - 0.5.1.3.0: Metadata for Multimedia
  - 0.5.1.3.1: Image
  - 0.5.1.3.2: Audio
  - 0.5.1.3.3: Video
  - 0.5.1.3.4: Text Document

- 0.5.2: Properties
  - 0.5.2.0: Metadata for Properties
  - 0.5.2.1: Hypernet Address
  - 0.5.2.2: Name
  - 0.5.2.3: Description
  - 0.5.2.4: Object Type
  - 0.5.2.5: Creator
  - 0.5.2.6: Geolocation Coordinates
  - 0.5.2.7: Date/Time of Creation
  - 0.5.2.8: Date/Time Last Modified
  - 0.5.2.9: Status
  - 0.5.2.10: 2D Location
  - 0.5.2.11: 3D Location
  - 0.5.2.12: 2D Icon
  - 0.5.2.13: 3D Icon
  - 0.5.2.14: Tags
- 0.5.3: Methods
  - 0.5.3.0: Metadata for Methods
  - 0.5.3.1: Create
  - 0.5.3.2: Read
  - 0.5.3.3: Update
  - 0.5.3.4: Delete
  - 0.5.3.5: Link
  - 0.5.3.6: Unlink
  - 0.5.3.7: Move
  - 0.5.3.8: Search
- 0.5.4: Access Methods
  - 0.5.4.0: Metadata for Access Methods
  - 0.5.4.1: Open
  - 0.5.4.2: Close

- - - 0.5.4.3: Check Access Rights
      - 0.5.4.4: Request Access
      - 0.5.4.5: Grant Access
      - 0.5.4.6: Revoke Access
    - <mark>0.5.5: Metadata Definitions</mark> (possibly move?)
      - 0.5.5.0: Metadata for Metadata Definitions
      - 0.5.5.1: Base Metadata Definition
      - 0.5.5.5: Access Control Metadata Definition
      - 0.5.5.6: Relationship Metadata Definition
      - 0.5.5.4: Versioning Metadata Definition
      - 0.5.5.2: Backup Metadata Definition
      - 0.5.5.3: Publishing Metadata Definition
      - 0.5.5.7: Quality Assurance Metadata Definition
      - 0.5.5.8: Usage Statistics Metadata Definition
      - 0.5.5.9: Localization Metadata Definition
      - 0.5.5.10: Source/Citation Metadata Definition
      - 0.5.5.11: Collaboration Controls Metadata Definition
    - 0.5.6: Inheritance
      - 0.5.6.0: Metadata for Inheritance
      - 0.5.6.1: Extend
      - 0.5.6.2: Override
      - 0.5.6.3: Get Parent
      - 0.5.6.4: Get Children
    - 0.5.7: Dependencies
      - 0.5.7.0: Metadata for Dependencies
      - 0.5.7.1: Add Dependency
      - 0.5.7.2: Remove Dependency
      - 0.5.7.3: Get Dependencies
    - 0.5.8: Events
      - 0.5.8.0: Metadata for Events
      - 0.5.8.1: Trigger Event
      - 0.5.8.2: Add Event Listener
      - 0.5.8.3: Remove Event Listener
- 0.6: Link Definitions
  - 0.6.0: Metadata for Link Definitions
  - 0.6.1: Specific Link Definitions (expanding as new link types are defined)
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- 1.*: People
  - 1.0: Metadata for People
  - 1.1: Individual
    - 1.1.0: Metadata for an Individual
- 2.*: Businesses
  - 2.0: Metadata for Businesses
  - 2.1: Business Profiles
    - 2.1.0: Metadata for Business Profiles
      2.1.1: Unity
      - 2.1.1.1: Tasks/Work
      - 2.1.1.2: Business Plan
        - 2.1.1.2.1: Tasks/Work
      - 2.1.1.3: Marketing
        - 2.1.1.3.1: Tasks/Work
      - 2.1.1.4: Finance

- - - 2.1.1.4.1: Tasks/Work
    - 2.1.1.5: Legal
      - 2.1.1.5.1: Tasks/Work
    - 2.1.1.6: Operations
      - 2.1.1.6.1: Tasks/Work
    - 2.1.1.7: Human Resources
      - 2.1.1.7.1: Tasks/Work
    - 2.1.1.8: Product Development
      - 2.1.1.8.1: Tasks/Work
    - 2.1.1.9: Customer Service
      - 2.1.1.9.1: Tasks/Work
    - 2.1.1.10: Sales
      - 2.1.1.10.1: Tasks/Work
- 3.*: Knowledge
  - 3.0: Metadata for Knowledge
  - 3.1: Natural Sciences
    - 3.1.0: Metadata for Natural Sciences
    - 3.1.1: Physics
    - 3.1.2: Chemistry
    - 3.1.3: Biology
    - 3.1.4: Earth Science
    - 3.1.5: Space Science
  - 3.2: Social Sciences
    - 3.2.0: Metadata for Social Sciences
    - 3.2.1: Psychology
    - 3.2.2: Sociology
    - 3.2.3: Economics
    - 3.2.4: Political Science
    - 3.2.5: Anthropology
  - 3.3: Arts and Humanities
    - 3.3.0: Metadata for Arts and Humanities
    - 3.3.1: Literature
    - 3.3.2: Philosophy
    - 3.3.3: Visual Arts
    - 3.3.4: Music
    - 3.3.5: Theater
  - 3.4: Formal Sciences
    - 3.4.0: Metadata for Formal Sciences
    - 3.4.1: Mathematics
    - 3.4.2: Computer Science
    - 3.4.3: Statistics
    - 3.4.4: Systems Science
  - 3.5: Applied Sciences
    - 3.5.0: Metadata for Applied Sciences
    - 3.5.1: Engineering
    - 3.5.2: Health Science
    - 3.5.3: Management Science
- 4.*: Objects
  - 4.0: Metadata for Objects
  - 4.1: Natural Objects
    - 4.1.0: Metadata for Natural Objects

- 4.1.1: Animals
        - 4.1.2: Plants
        - 4.1.3: Minerals
        - 4.1.4: Celestial Bodies
    - 4.2: Man-made Objects
        - 4.2.0: Metadata for Man-made Objects
        - 4.2.1: Tools
        - 4.2.2: Buildings
        - 4.2.3: Vehicles
        - 4.2.4: Artworks
    - 4.3: Digital Objects
        - 4.3.0: Metadata for Digital Objects
        - 4.3.1: Software
        - 4.3.2: Digital Media
        - 4.3.3: Websites
        - 4.3.4: Databases

From <https://chat.openai.com/?model=gpt-4-code-interpreter>