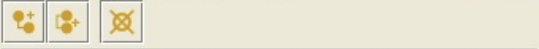


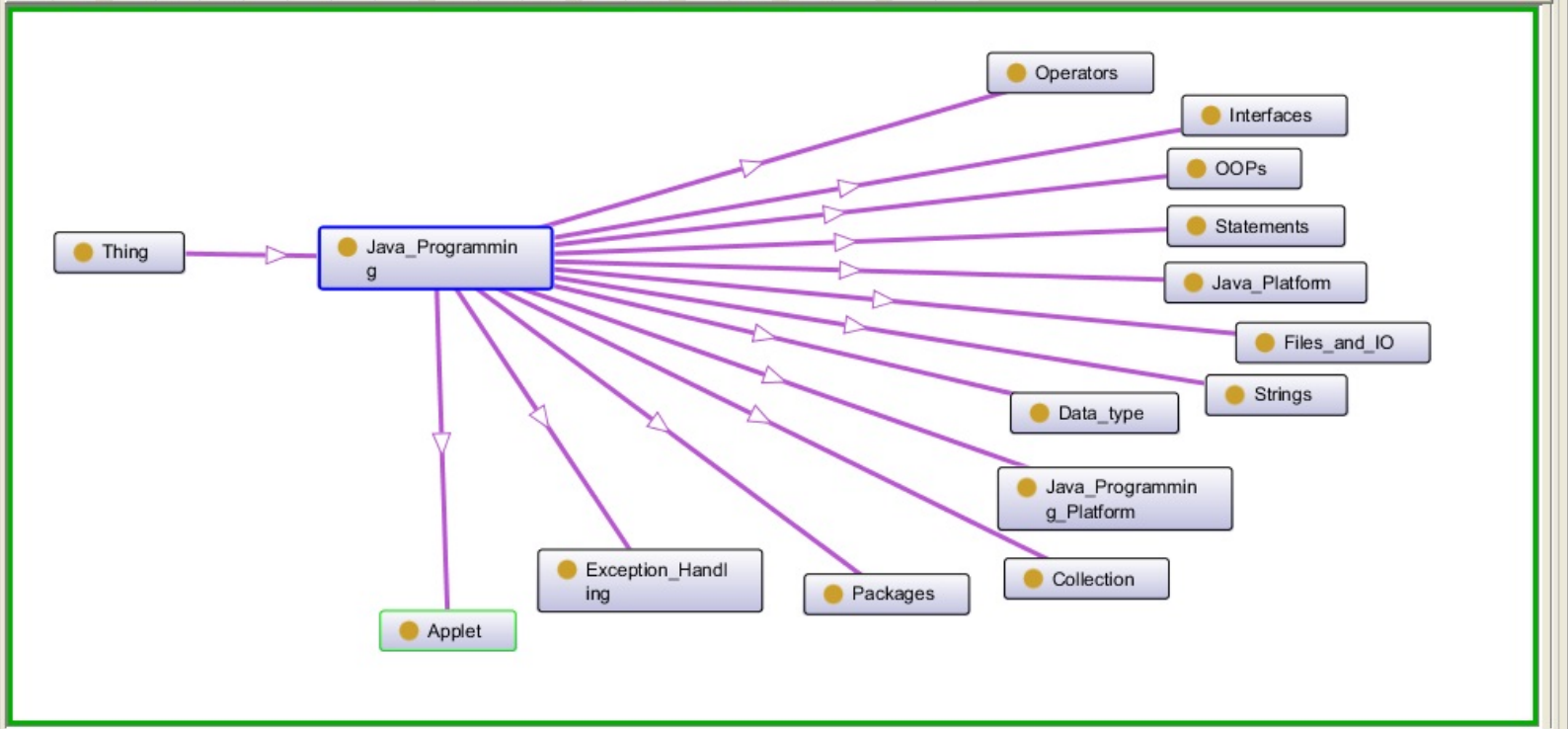
Class hierarchy Class hierarchy (inferred)

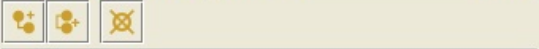
Class hierarchy: Java\_Programming



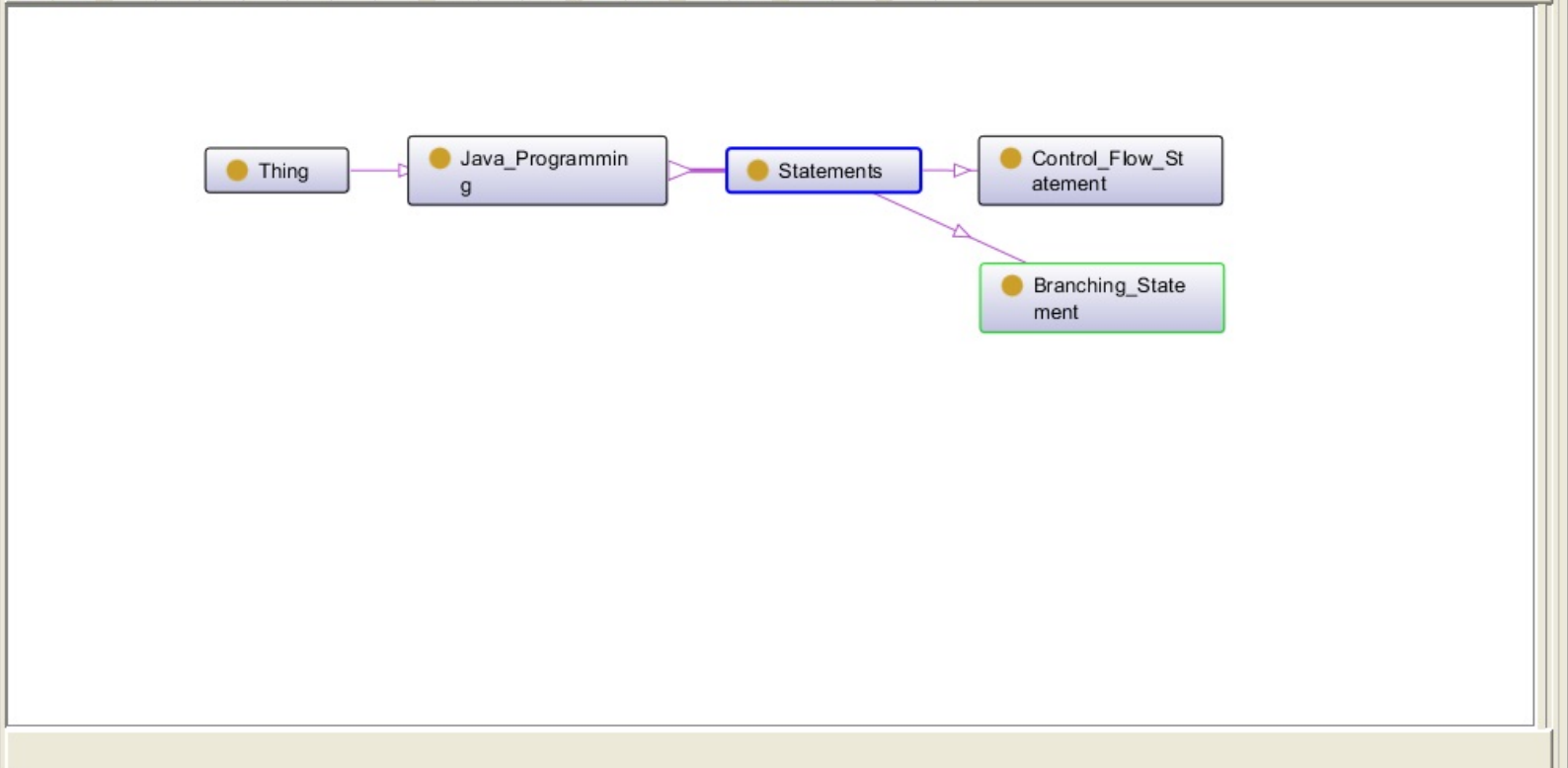
- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet

OntoGraf: Search: contains Search Clear



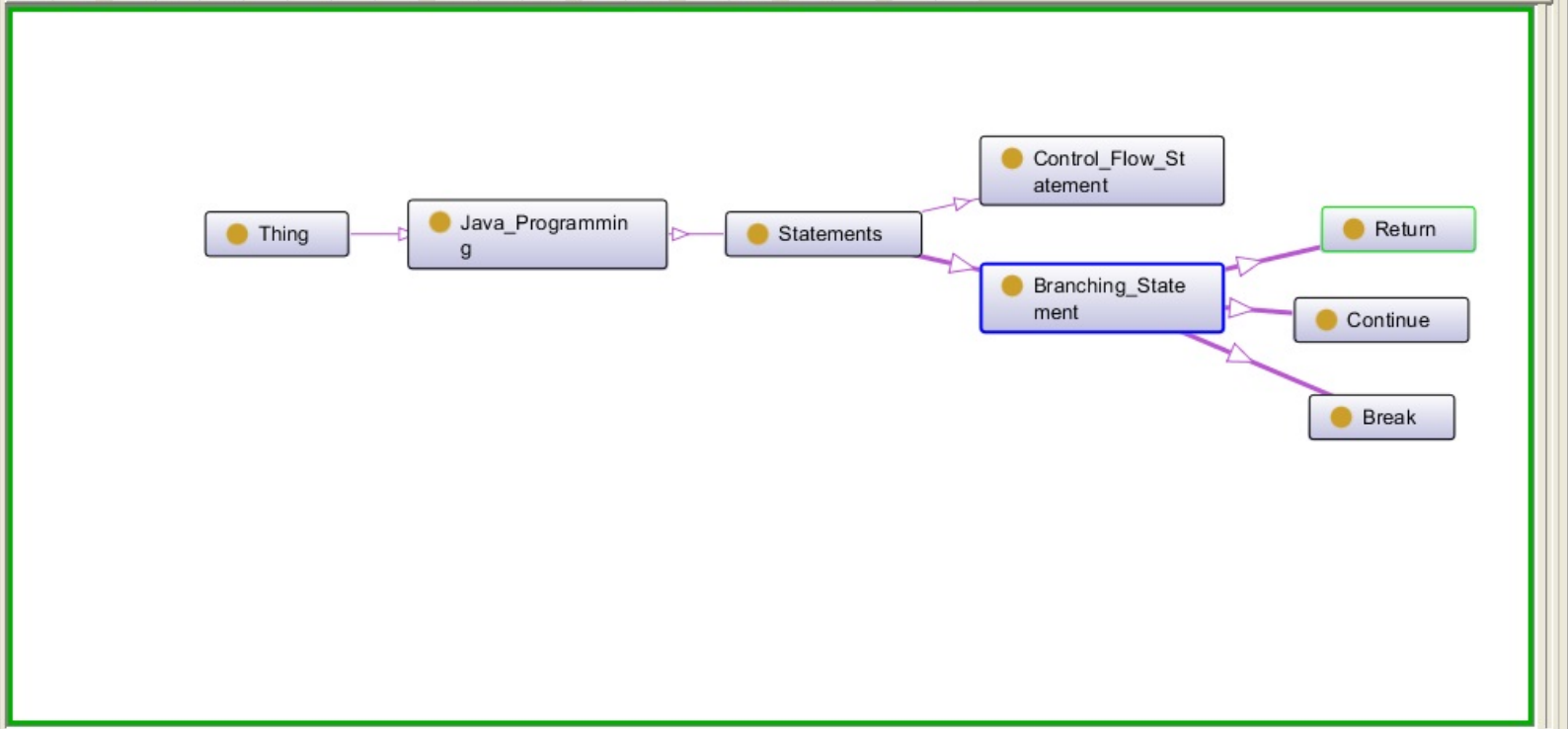


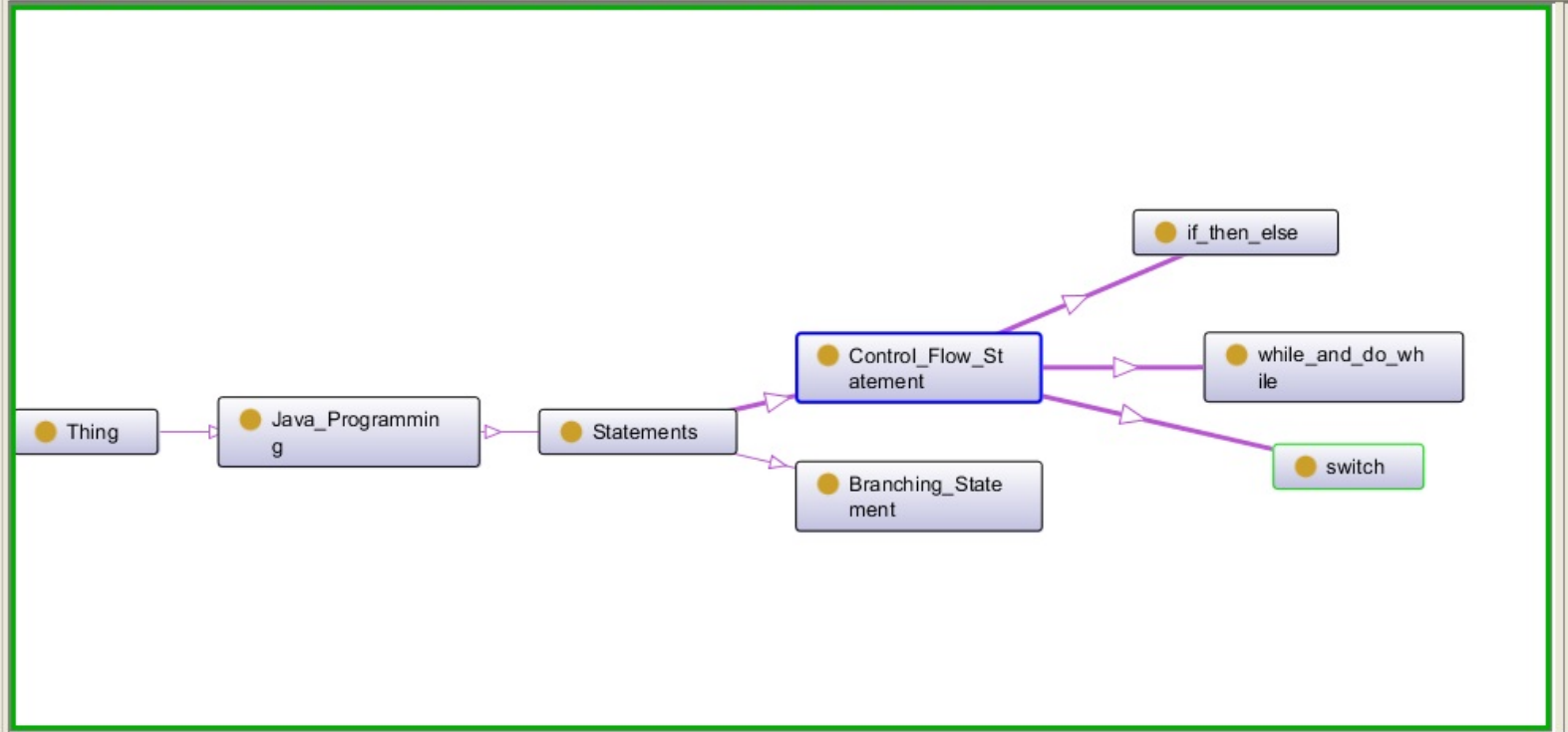
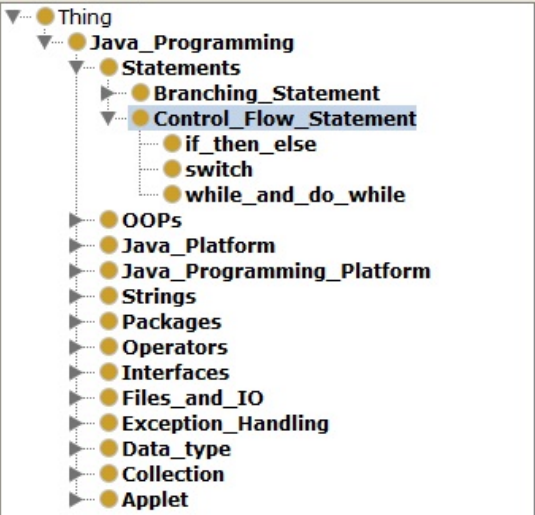
- Thing
  - Java\_Programming
    - Statements
      - Branching\_Statement
      - Control\_Flow\_Statement
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet





- Thing
  - Java\_Programming
    - Statements
      - Branching\_Statement
        - Break
        - Continue
        - Return
      - Control\_Flow\_Statement
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet





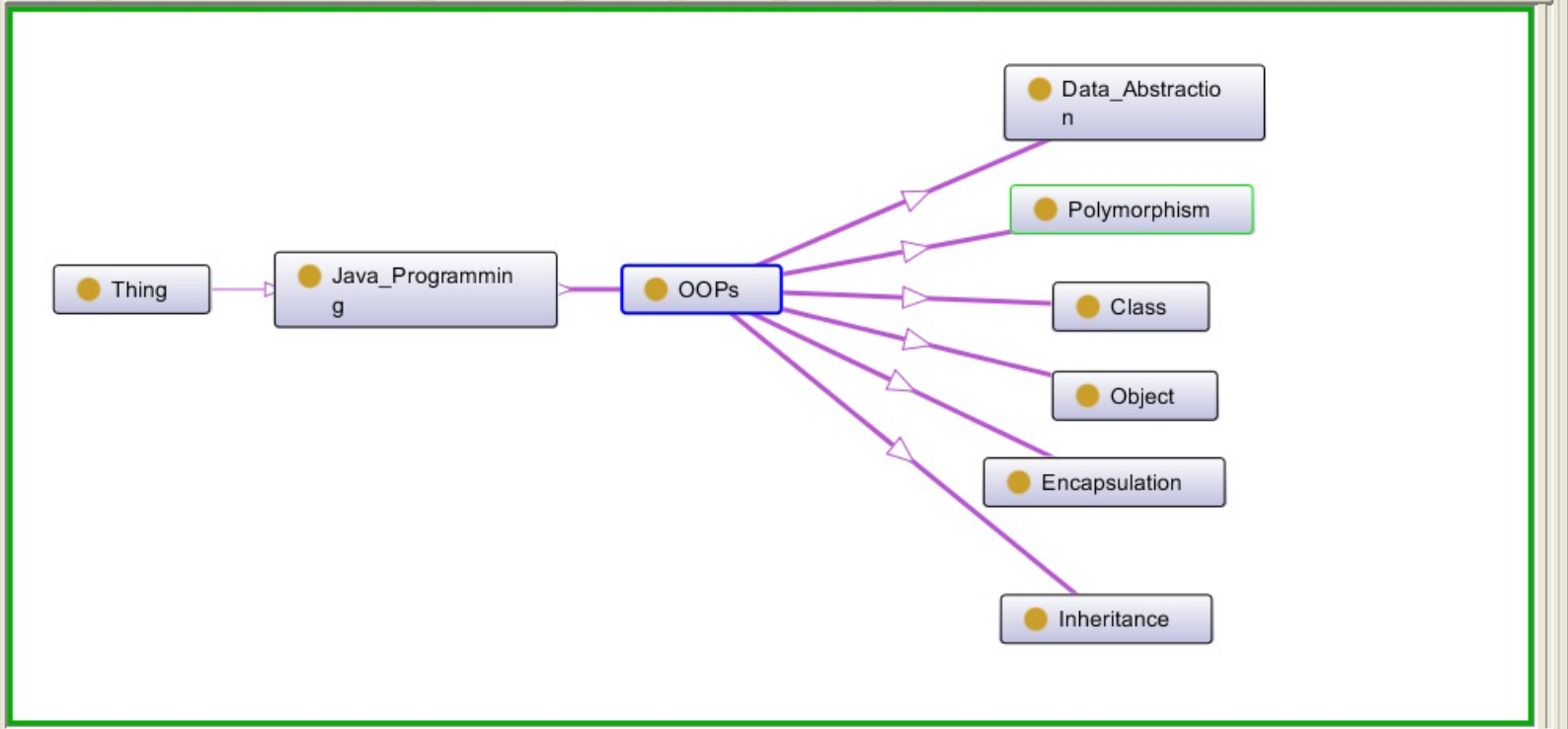
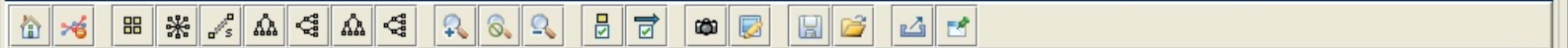
Class hierarchy Class hierarchy (inferred)

Class hierarchy: OOPs



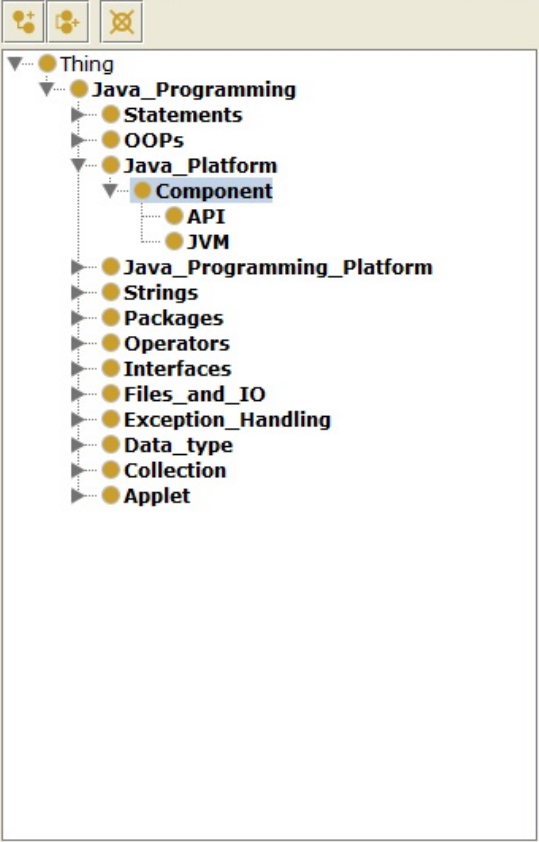
OntoGraf.

Search: contains Search Clear

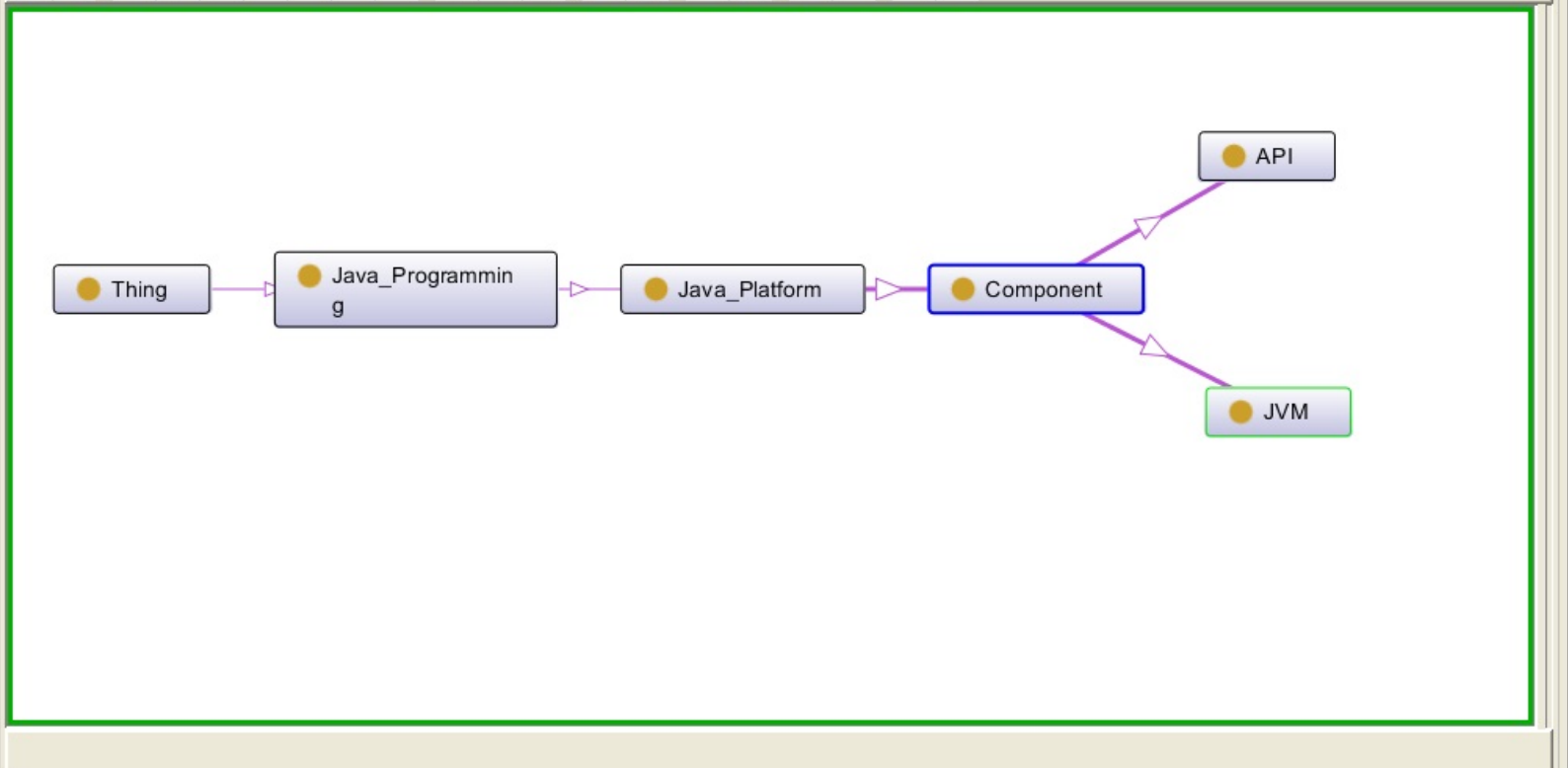


Class hierarchy Class hierarchy (inferred)

Class hierarchy: Component

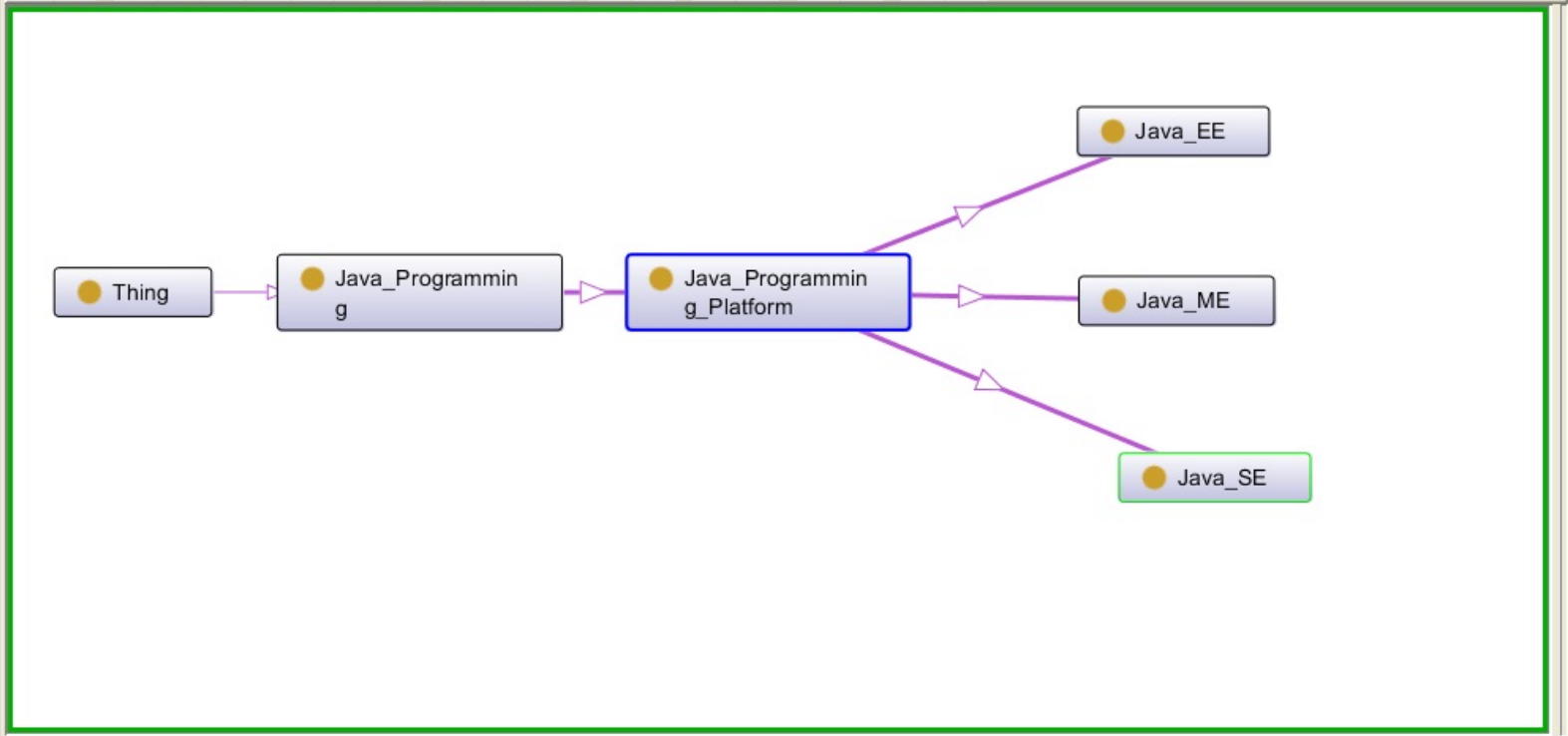
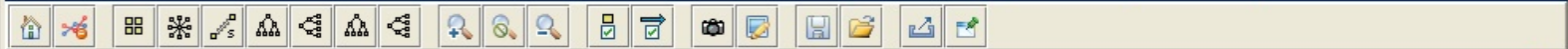


OntoGraf: Search: contains Search Clear





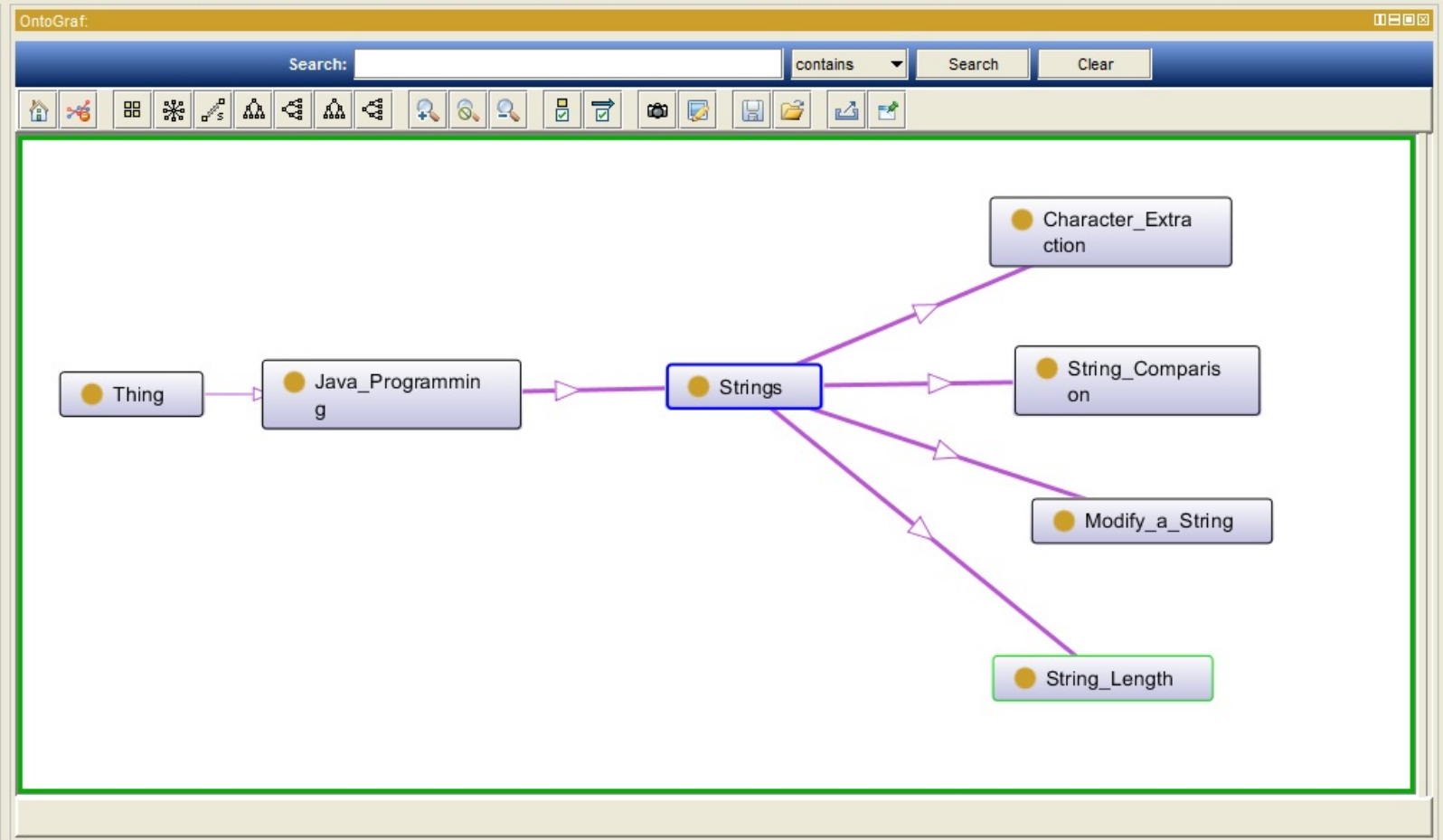
- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
      - Java\_Programming\_Platform
        - Java\_EE
        - Java\_ME
        - Java\_SE
  - Strings
  - Packages
  - Operators
  - Interfaces
  - Files\_and\_IO
  - Exception\_Handling
  - Data\_type
  - Collection
  - Applet



Class hierarchy Class hierarchy (inferred)

Class hierarchy: Strings

- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
      - Character\_Extraction
      - Modify\_a\_String
      - String\_Comparison
      - String\_Length
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet

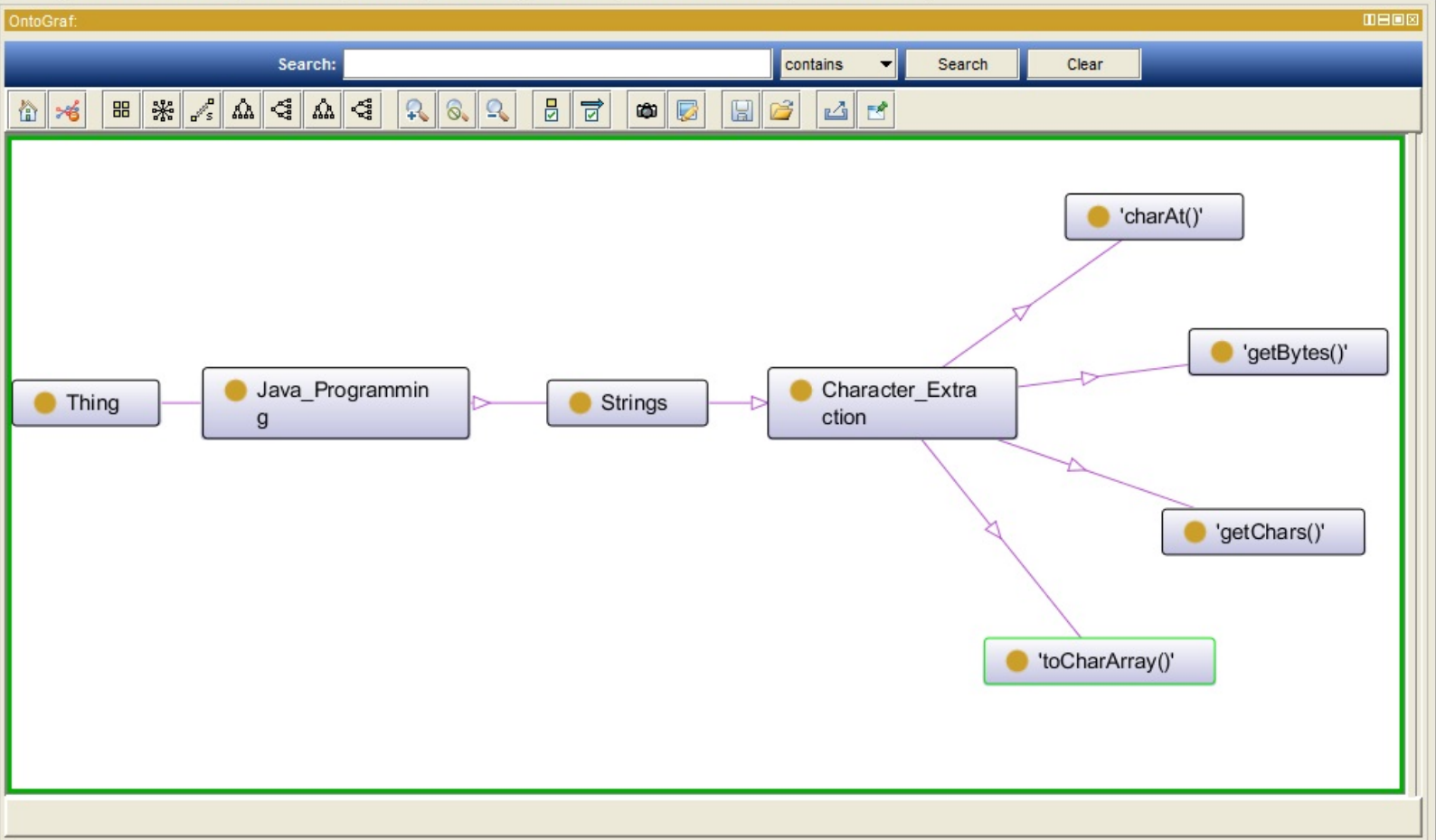




Class hierarchy Class hierarchy (inferred)

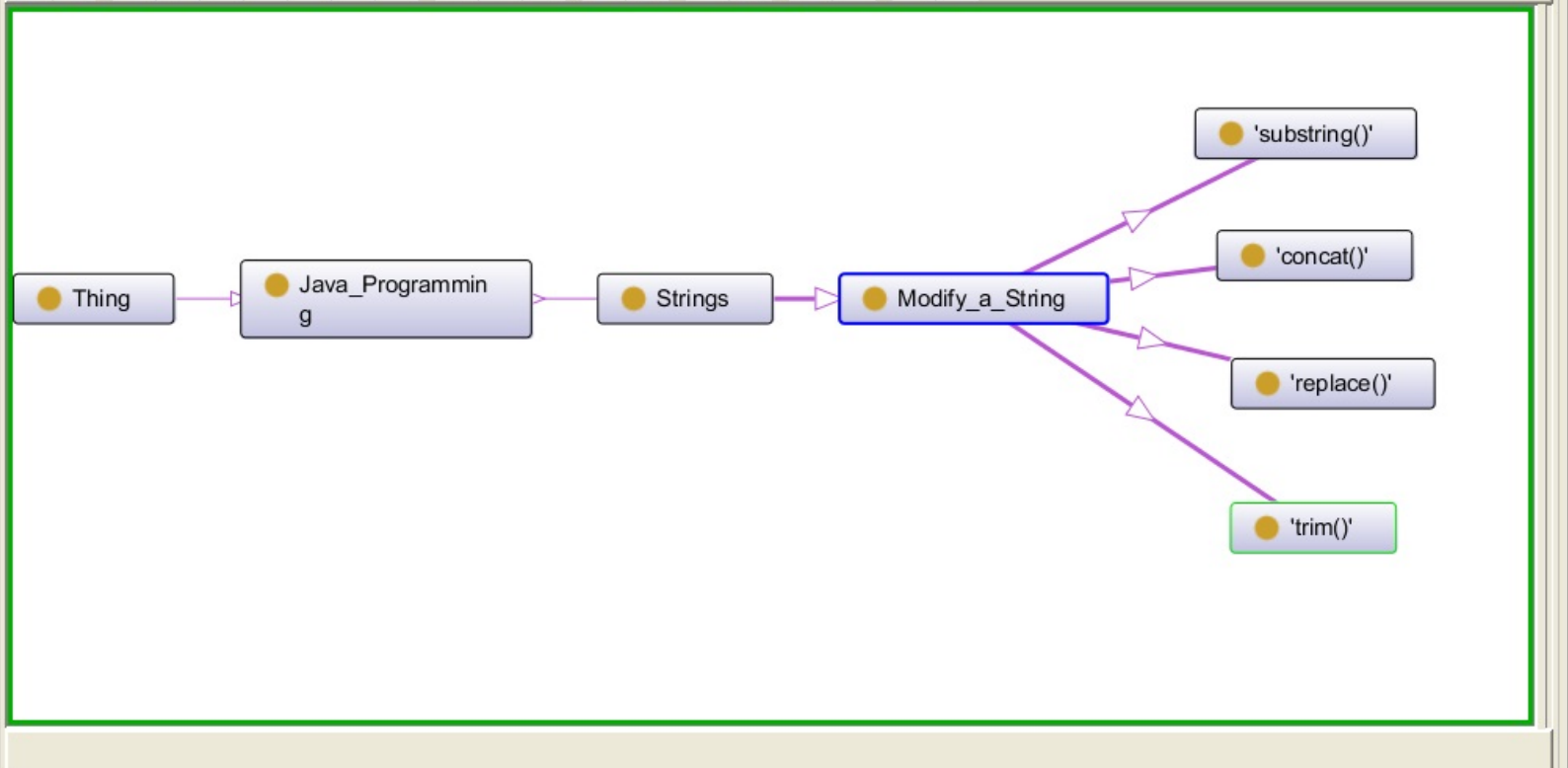
Class hierarchy: 'toCharArray()'

- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
      - Character\_Extraction
        - 'charAt()'
        - 'getBytes()'
        - 'getChars()'
        - 'toCharArray()'
      - Modify\_a\_String
      - String\_Comparison
      - String\_Length
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet





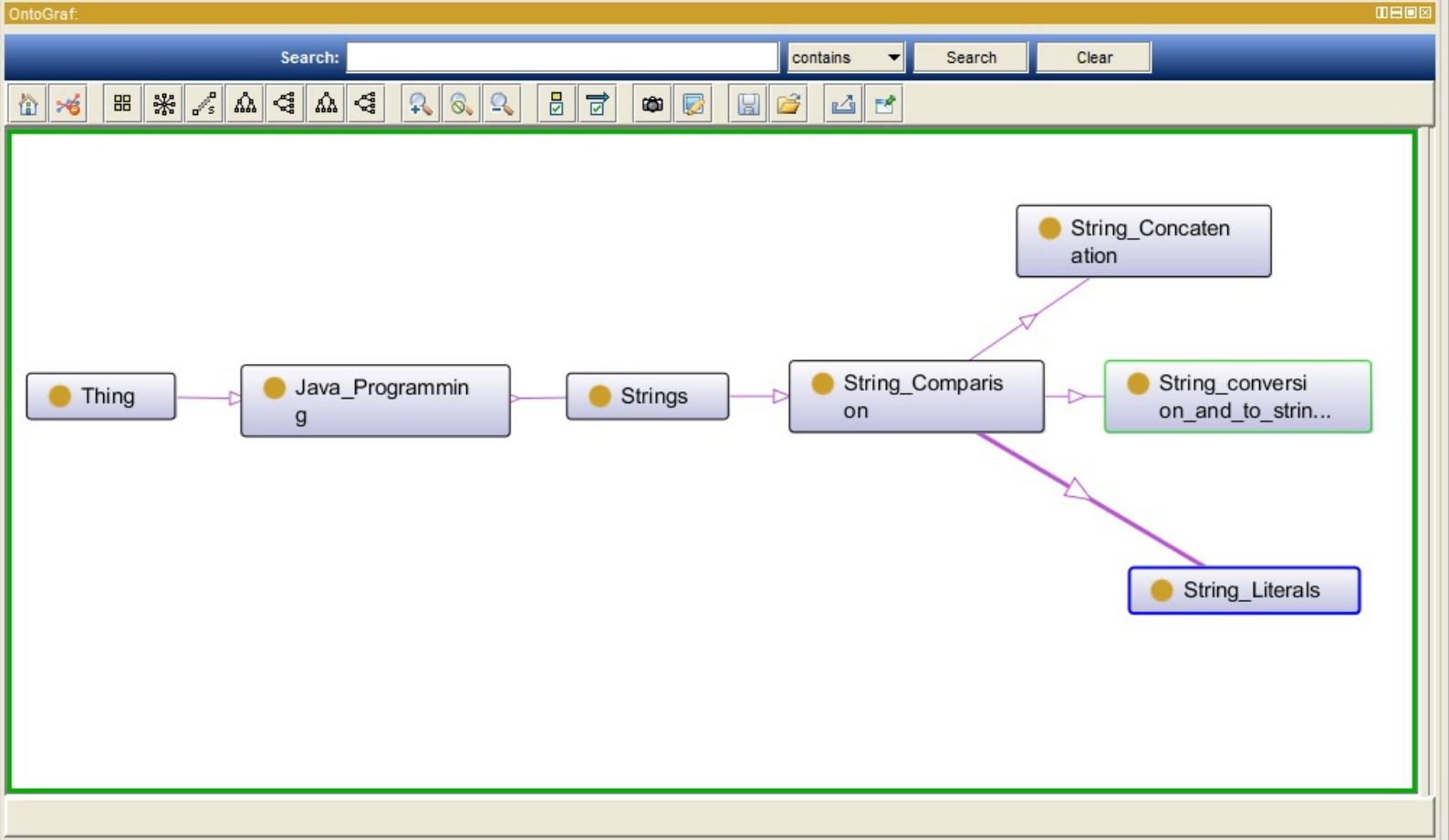
- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
      - Character\_Extraction
      - Modify\_a\_String
        - 'concat()'
        - 'replace()'
        - 'substring()'
        - 'trim()'
      - String\_Comparison
      - String\_Length
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet



Class hierarchy Class hierarchy (inferred)

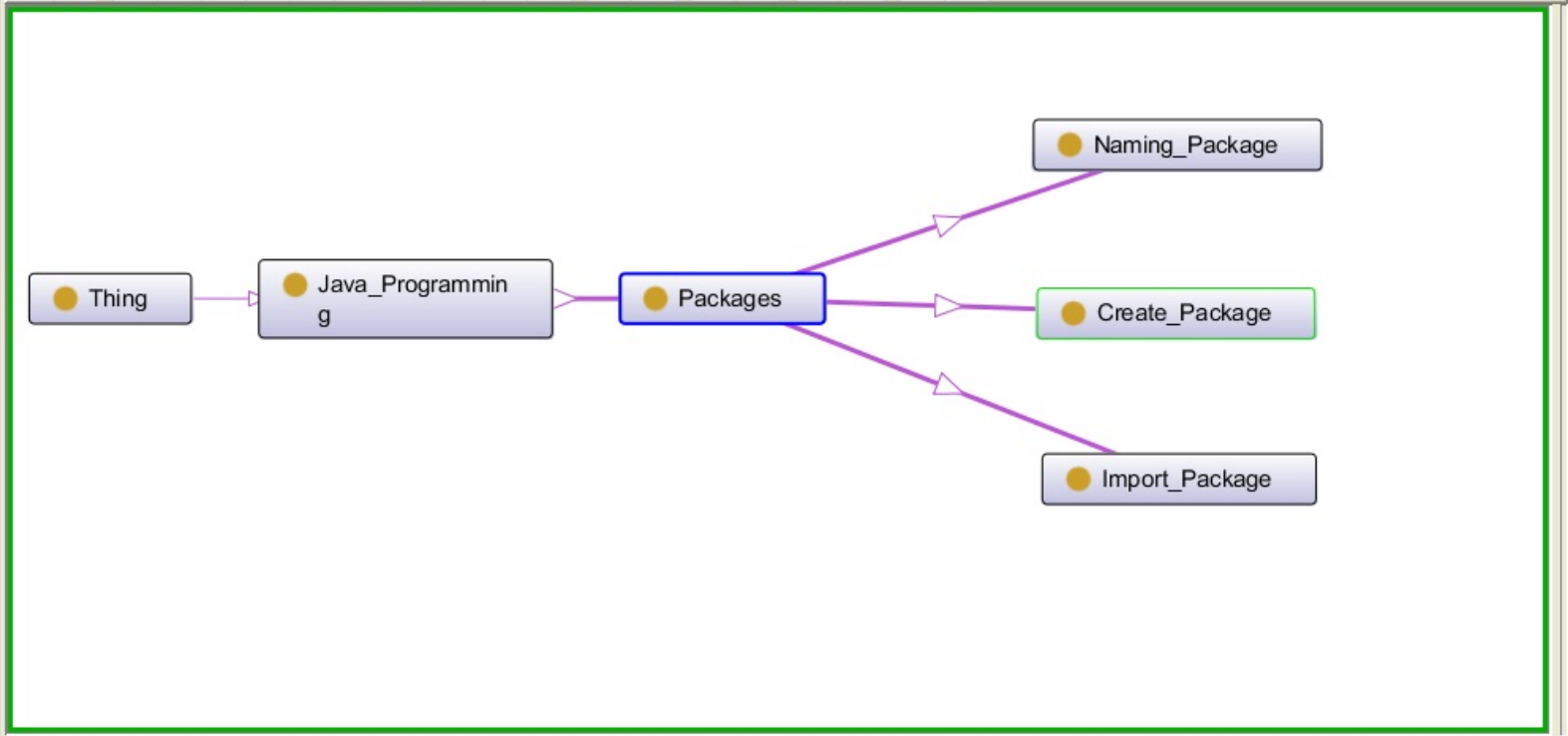
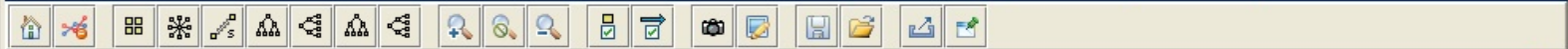
Class hierarchy: String\_Literals

- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
      - Character\_Extraction
      - Modify\_a\_String
      - String\_Comparison
        - String\_Concatenation
        - String\_Literals
        - String\_conversion\_and\_to\_string
      - String\_Length
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet





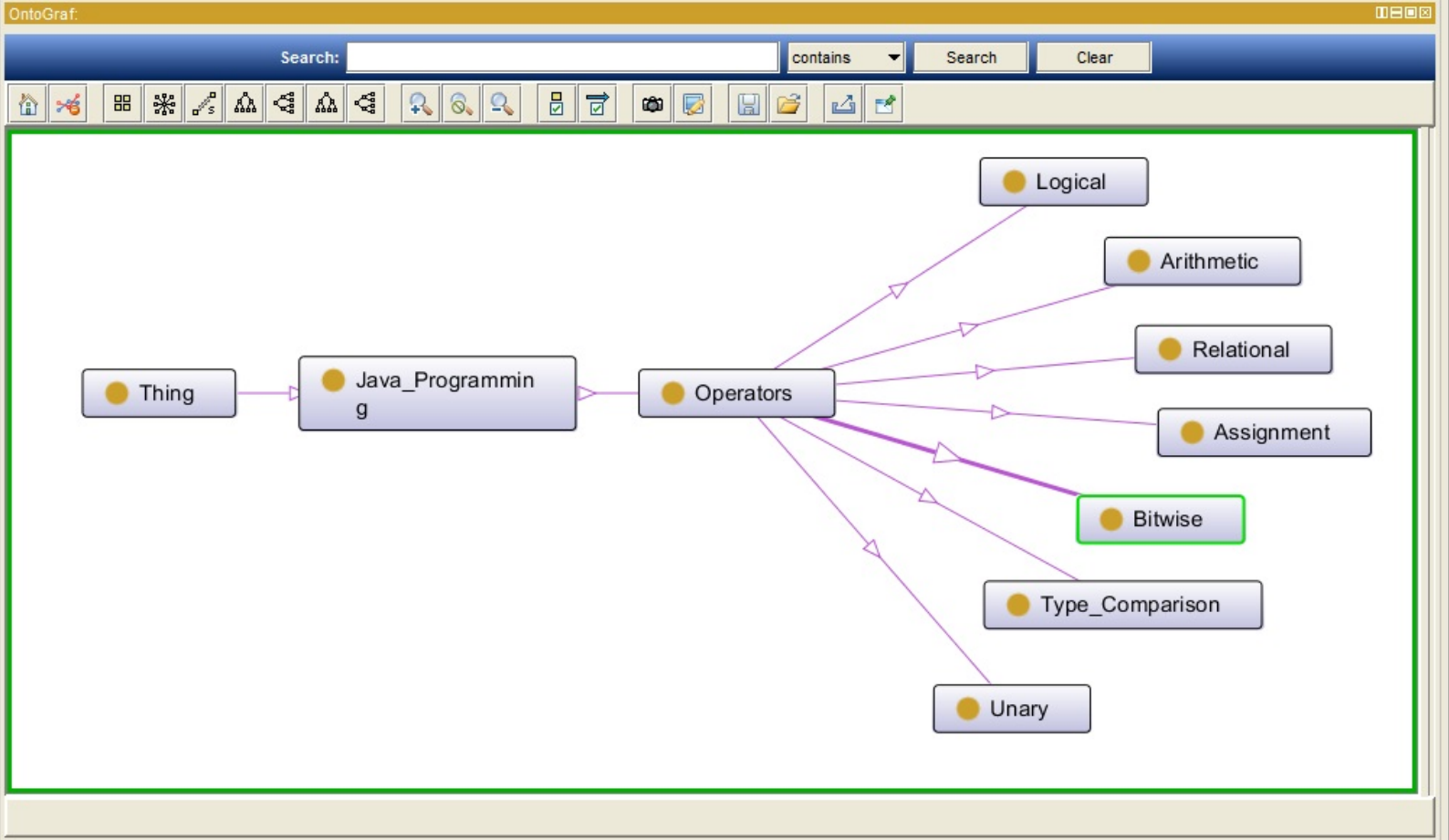
- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
      - Import\_Package
      - Naming\_Package
      - Create\_Package
    - Operators
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet



Class hierarchy Class hierarchy (inferred)

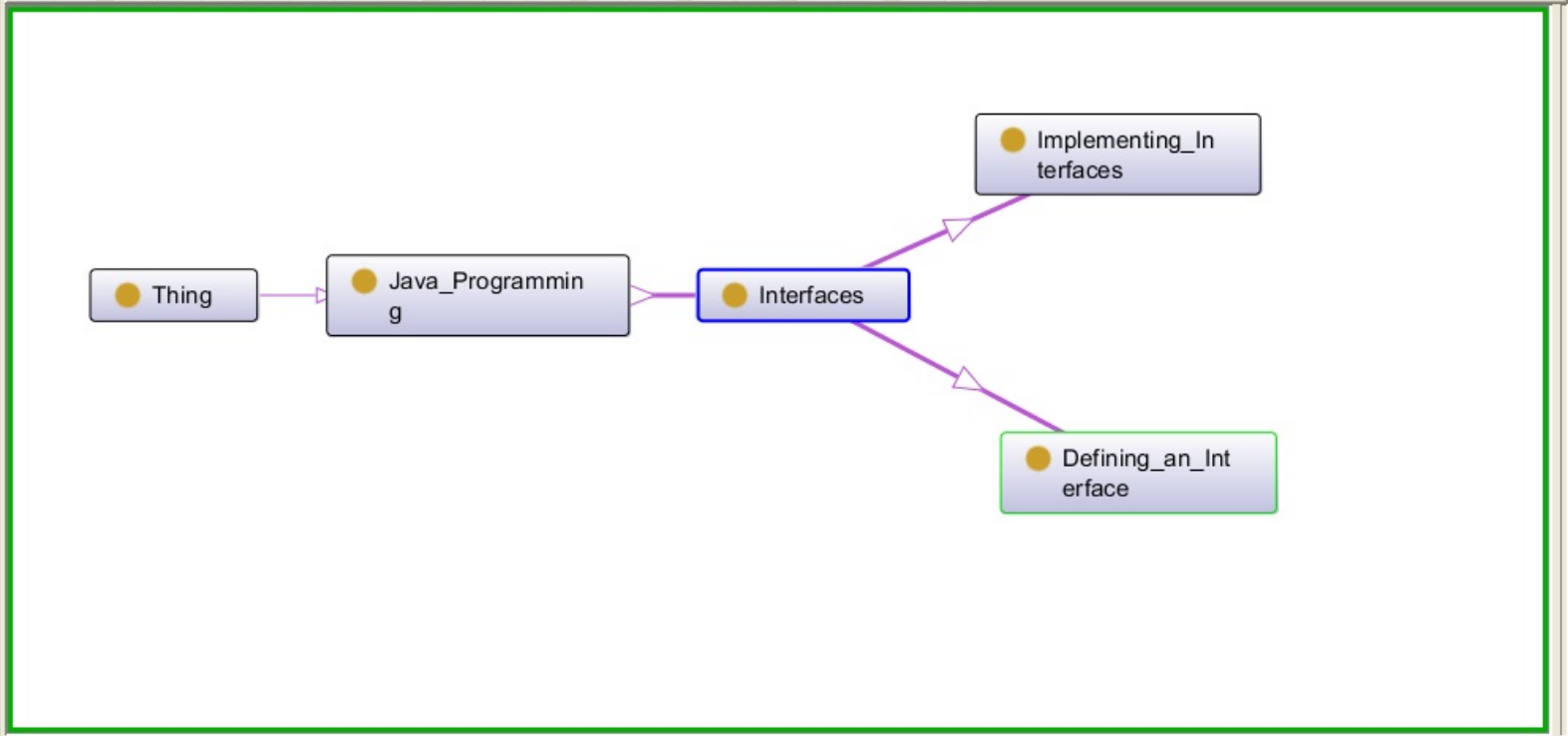
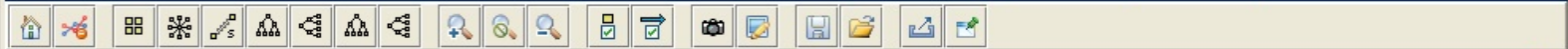
Class hierarchy: Bitwise

- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
    - Operators
      - Arithmetic
      - Relational
      - Unary
      - Logical
      - Assignment
      - Type\_Comparison
      - Bitwise
    - Interfaces
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet



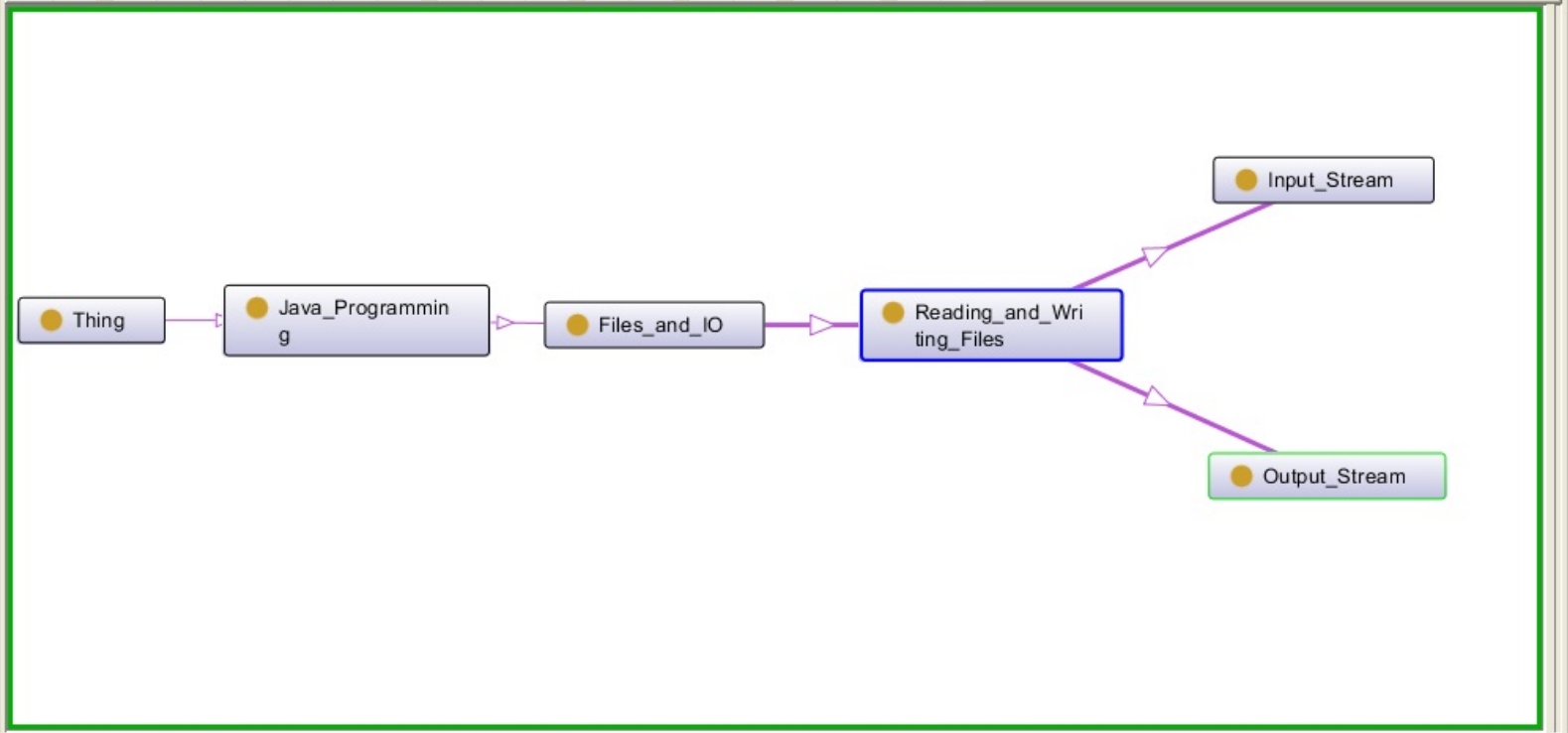
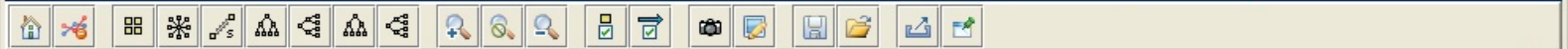


- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
    - Operators
    - Interfaces
      - Implementing\_Interfaces
      - Defining\_an\_Interface
    - Files\_and\_IO
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet



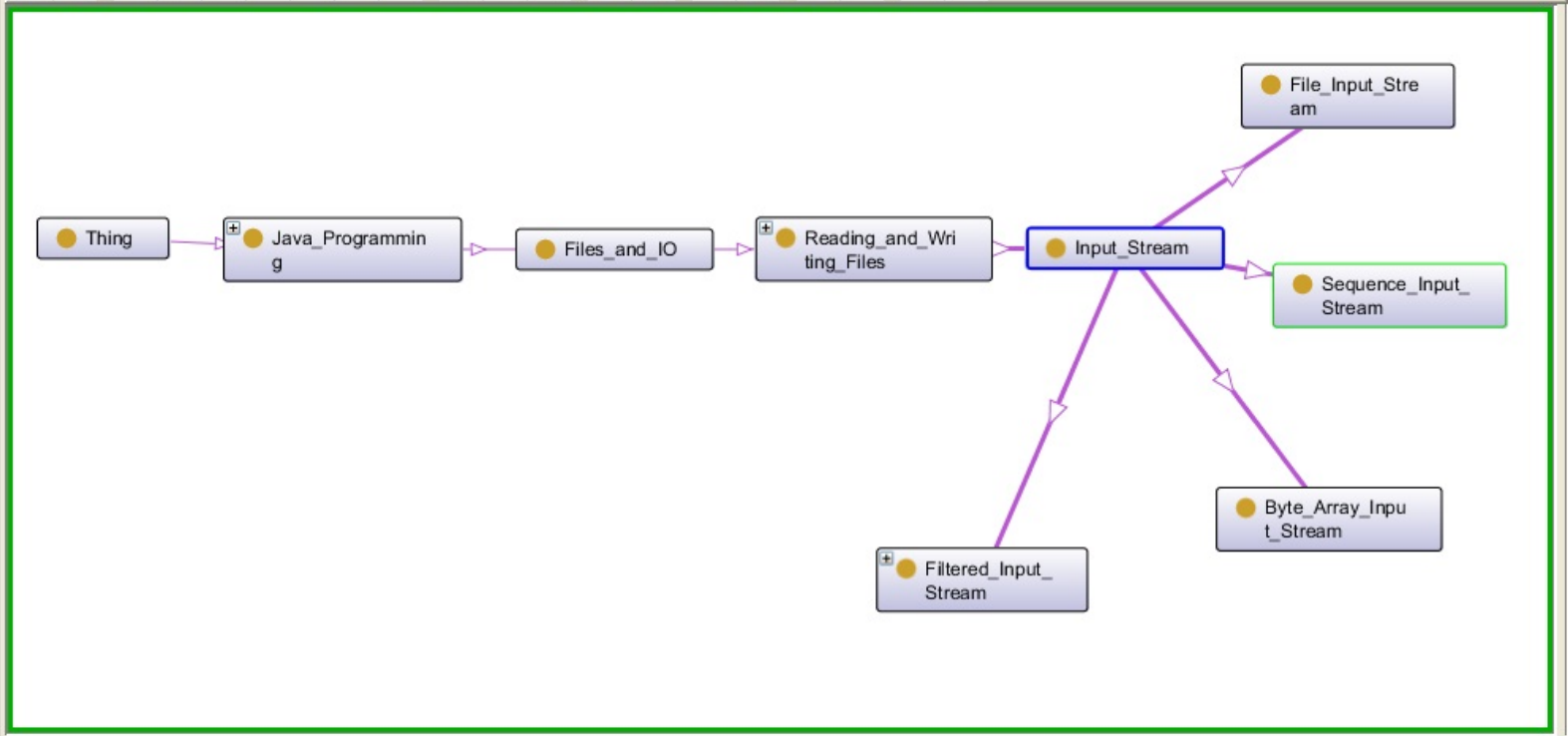
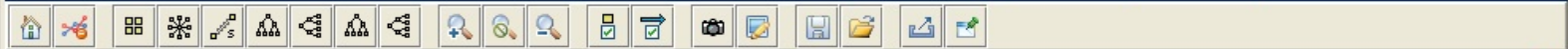


- Thing
  - Java\_Programming
    - Statements
    - OOPs
    - Java\_Platform
    - Java\_Programming\_Platform
    - Strings
    - Packages
    - Operators
    - Interfaces
    - Files\_and\_IO
      - Reading\_and\_Writing\_Files
        - Input\_Stream
        - Output\_Stream
    - Exception\_Handling
    - Data\_type
    - Collection
    - Applet





- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
    - Exception\_Handling
    - Files\_and\_IO
      - Reading\_and\_Writing\_Files
        - Input\_Stream
          - Byte\_Array\_Input\_Stream
          - File\_Input\_Stream
          - Filtered\_Input\_Stream
          - Sequence\_Input\_Stream
        - Output\_Stream
  - Interfaces
  - Java\_Platform
  - Java\_Programming\_Platform
  - OOPs
  - Operators
  - Packages
  - Statements
  - Strings

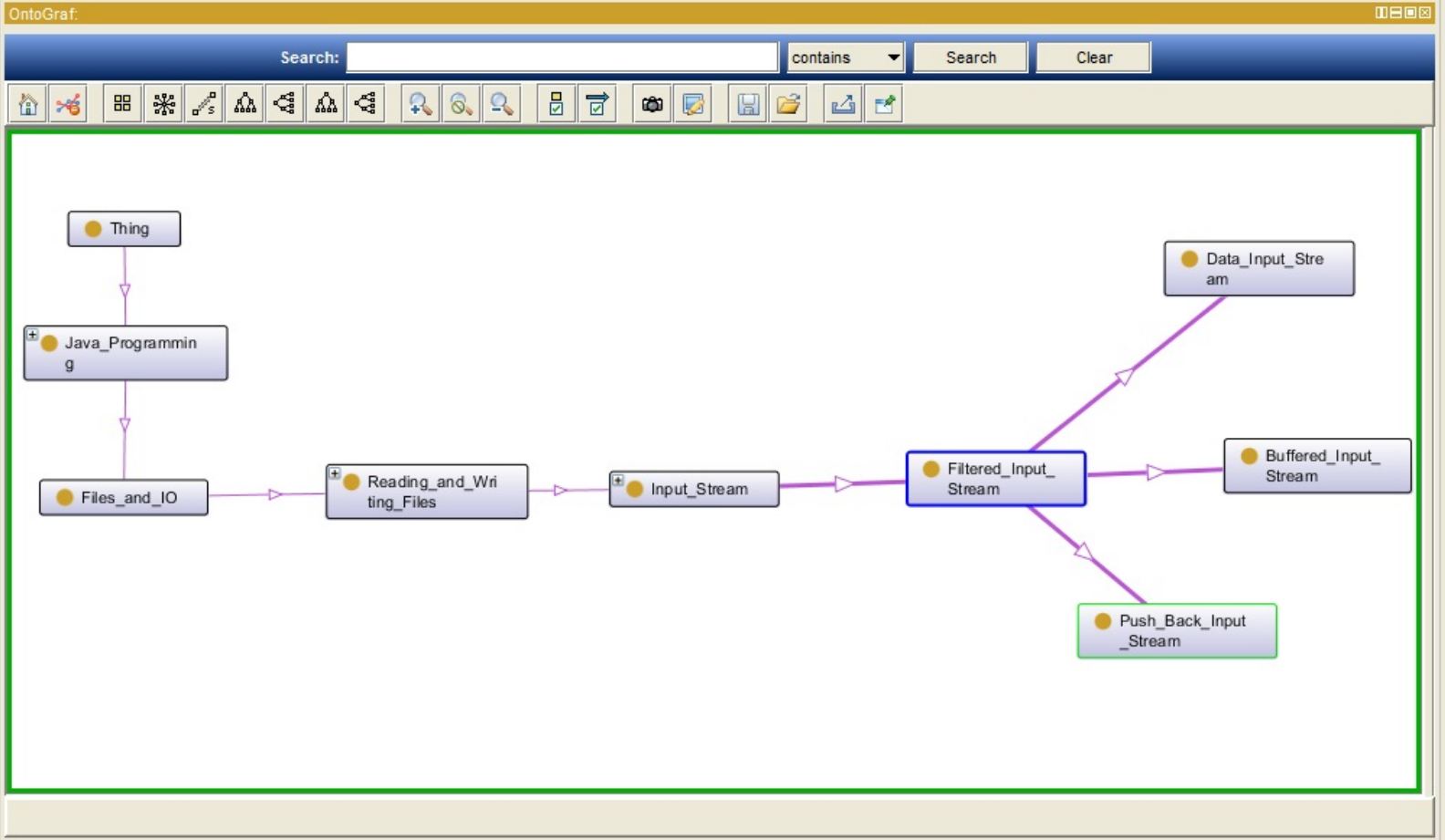




Class hierarchy Class hierarchy (inferred)

Class hierarchy: Filtered\_Input\_Stream

- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
    - Exception\_Handling
    - Files\_and\_IO
      - Reading\_and\_Writing\_Files
        - Input\_Stream
          - Byte\_Array\_Input\_Stream
          - File\_Input\_Stream
          - Filtered\_Input\_Stream
          - Buffered\_Input\_Stream
          - Data\_Input\_Stream
          - Push\_Back\_Input\_Stream
          - Sequence\_Input\_Stream
        - Output\_Stream
  - Interfaces
  - Java\_Platform
  - Java\_Programming\_Platform
  - OOPs
  - Operators
  - Packages
  - Statements
  - Strings



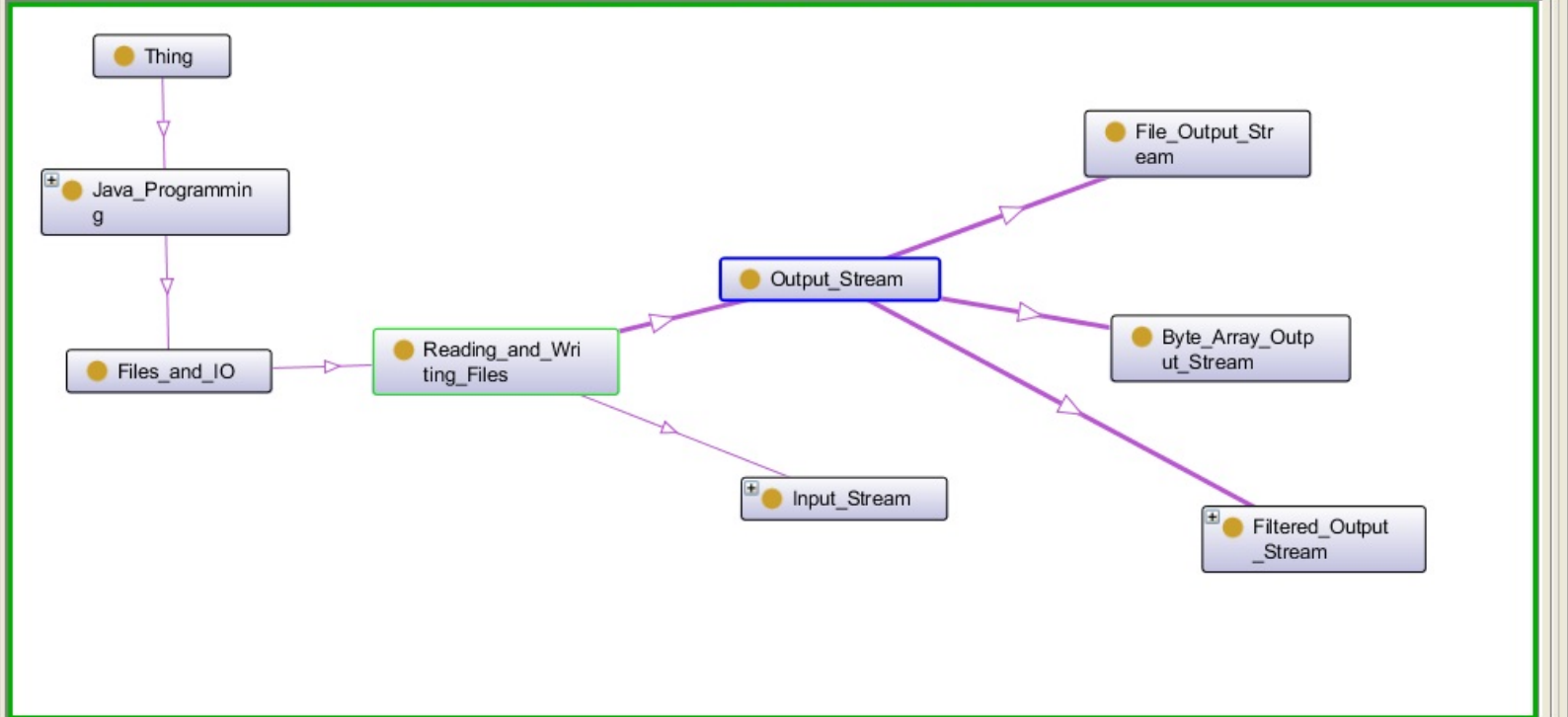
Class hierarchy Class hierarchy (inferred)

Class hierarchy: Output\_Stream

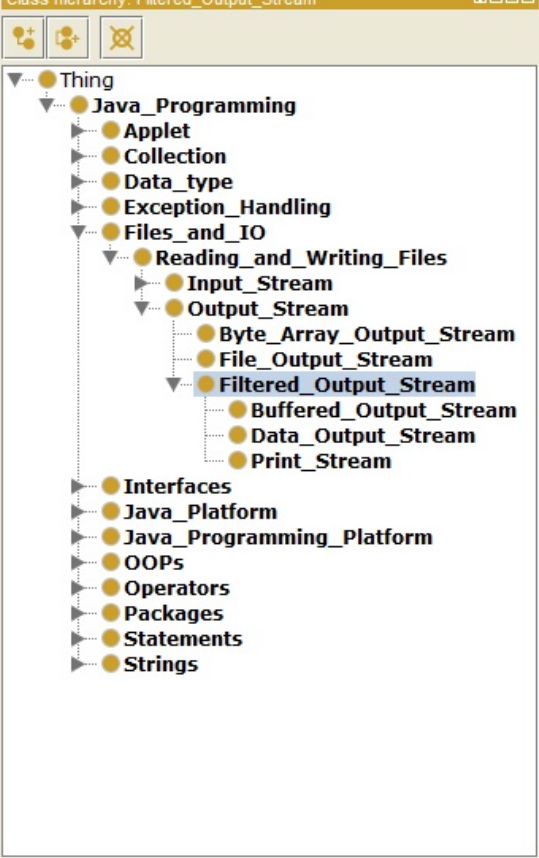


- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
    - Exception\_Handling
    - Files\_and\_IO
      - Reading\_and\_Writing\_Files
        - Input\_Stream
        - Output\_Stream
          - Byte\_Array\_Output\_Stream
          - File\_Output\_Stream
          - Filtered\_Output\_Stream
  - Interfaces
  - Java\_Platform
  - Java\_Programming\_Platform
  - OOPs
  - Operators
  - Packages
  - Statements
  - Strings

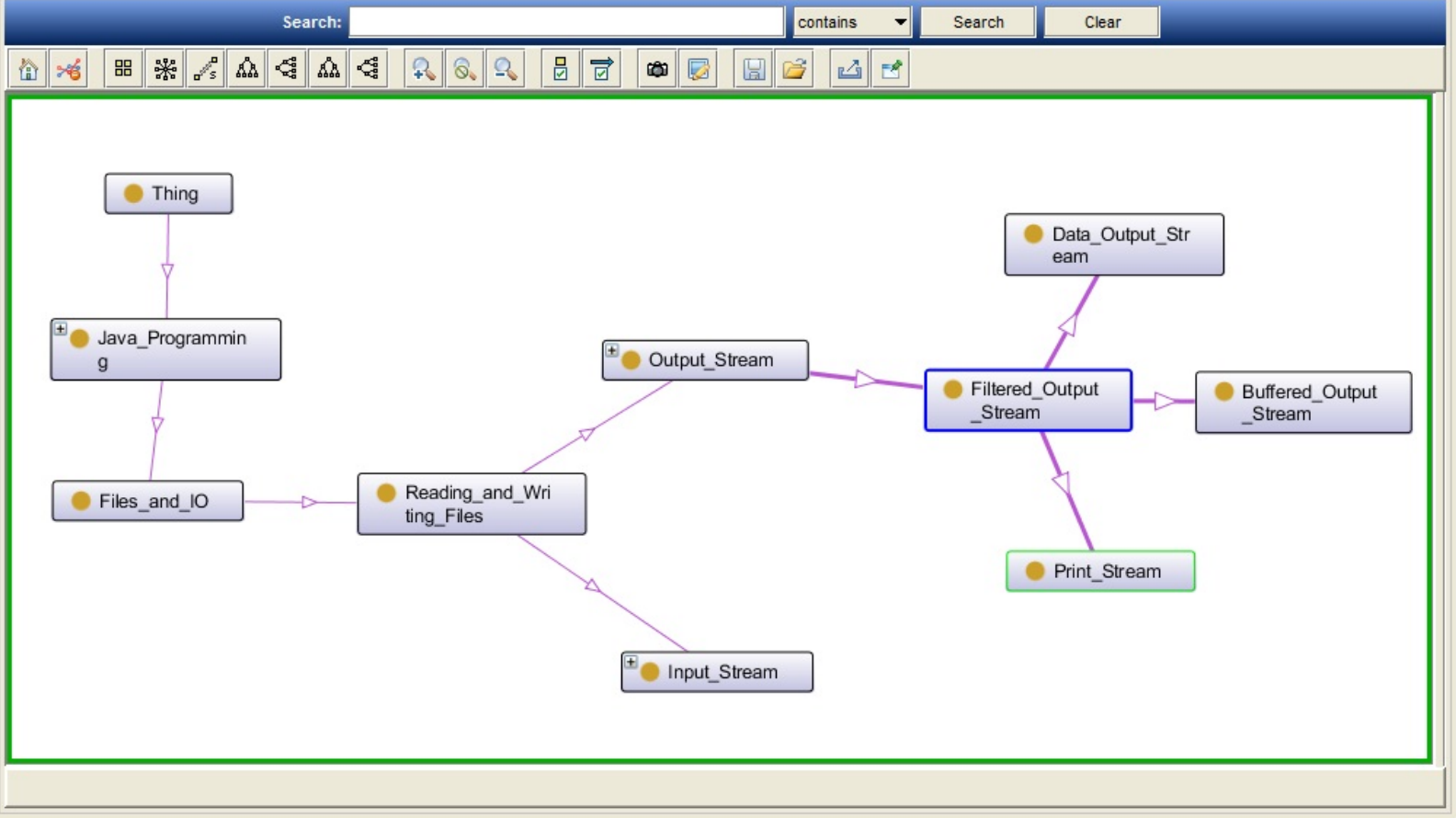
OntoGraf: Search: contains Search Clear



Class hierarchy Class hierarchy (inferred)  
Class hierarchy: Filtered\_Output\_Stream

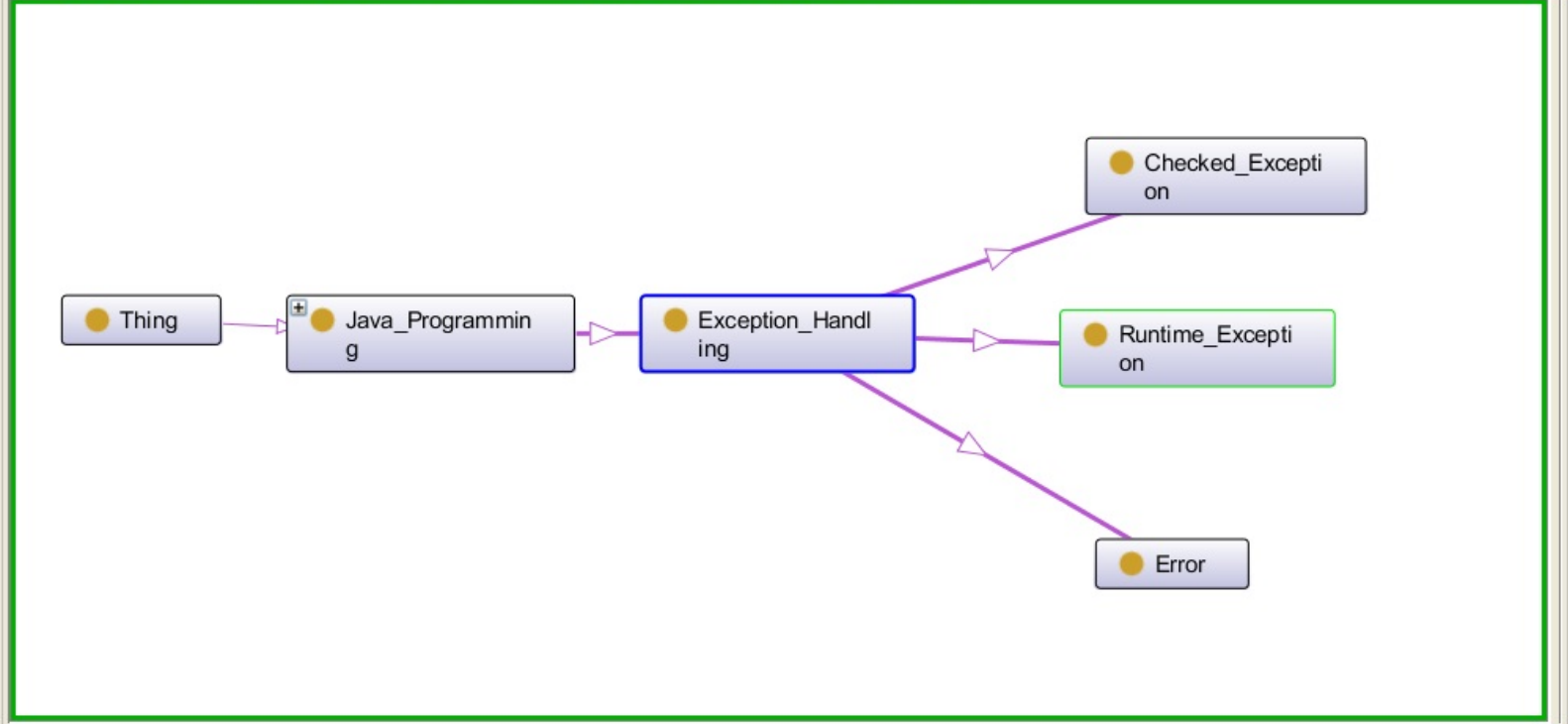


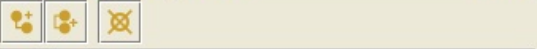
OntoGraf: Search: contains Search Clear



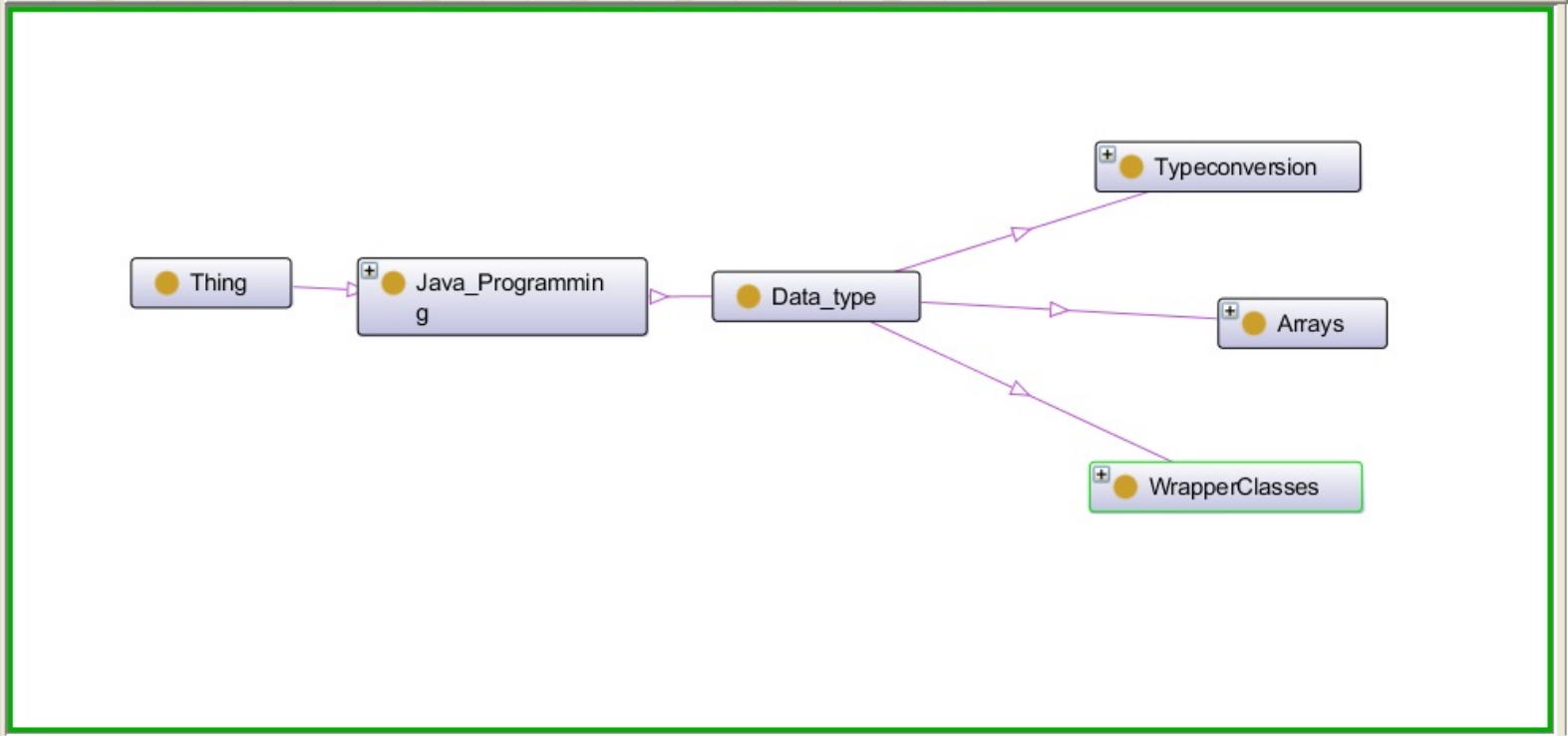
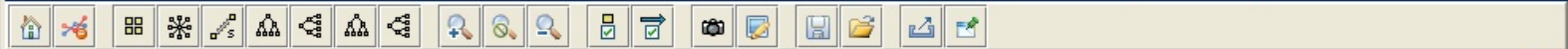


- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
    - Exception\_Handling
      - Checked\_Exception
      - Error
      - Runtime\_Exception
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings



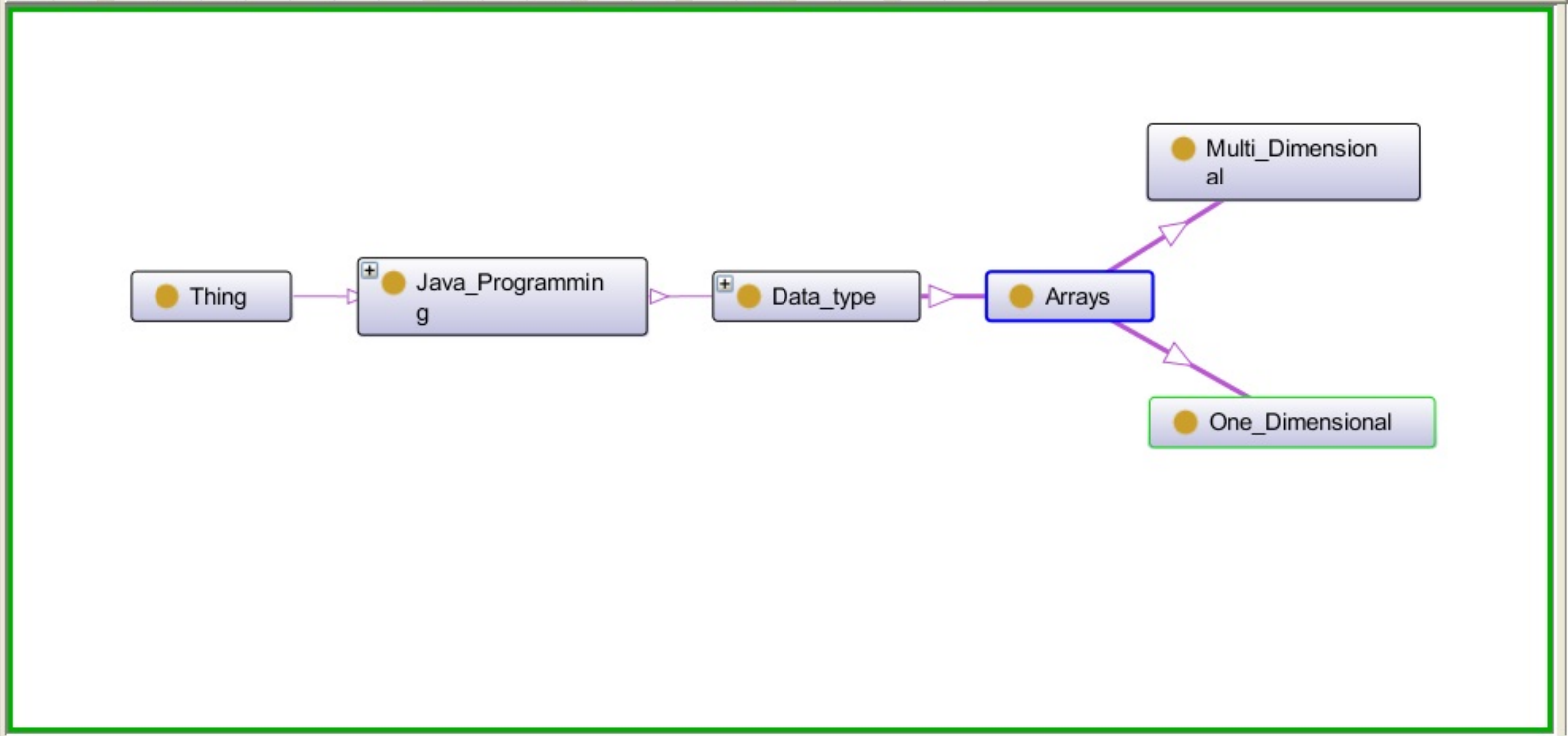


- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
      - Arrays
      - Typeconversion
      - WrapperClasses
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings





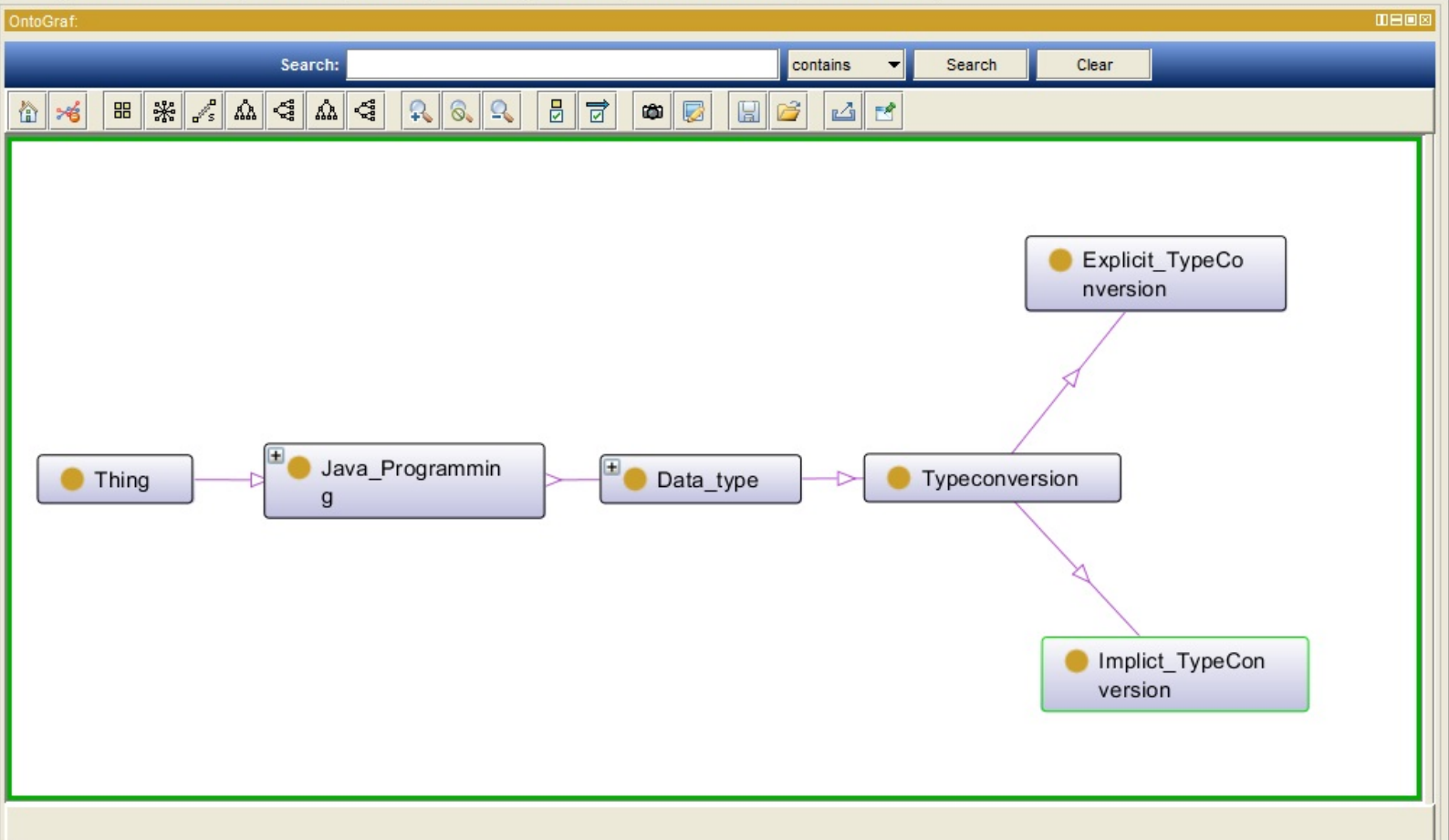
- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
      - Arrays
        - Multi\_Dimensional
        - One\_Dimensional
      - Typeconversion
      - WrapperClasses
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings



Class hierarchy Class hierarchy (inferred)

Class hierarchy: Implicit\_TypeConversion

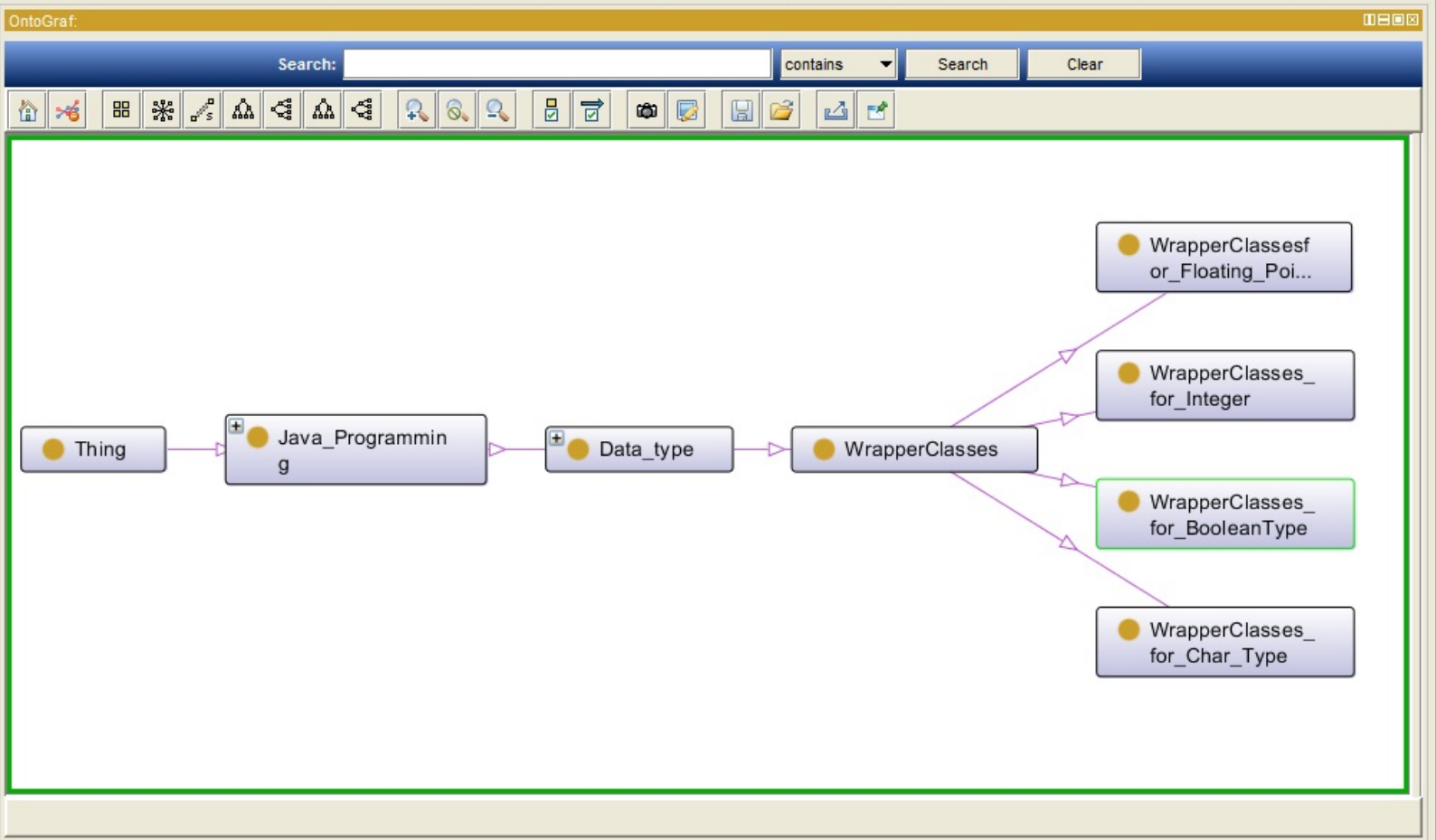
- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
      - Arrays
      - Typeconversion
        - Explicit\_TypeConversion
        - Implicit\_TypeConversion
      - WrapperClasses
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings



Class hierarchy Class hierarchy (inferred)

Class hierarchy: WrapperClasses

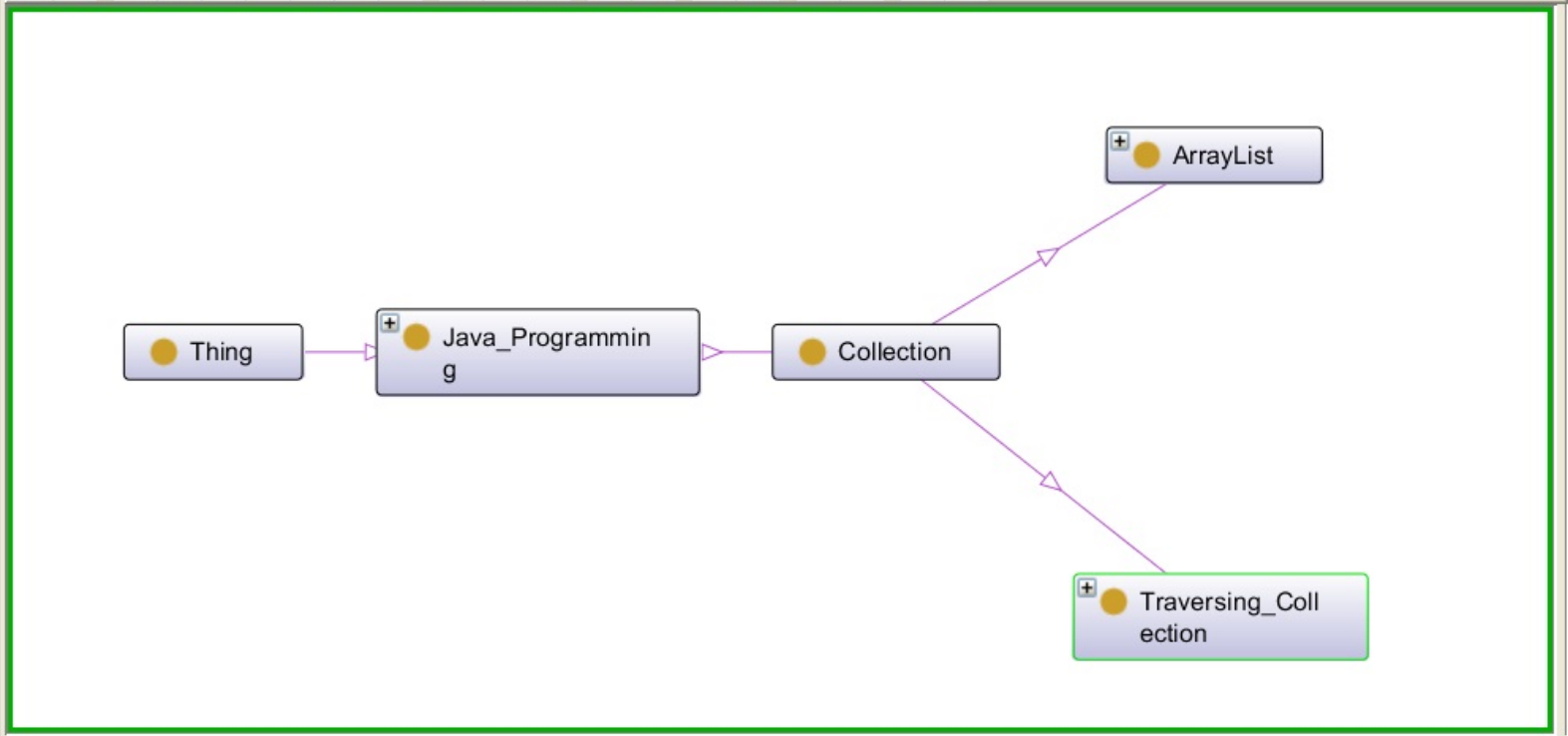
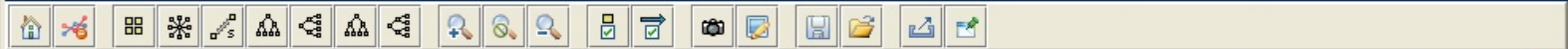
- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
      - Arrays
      - Typeconversion
      - WrapperClasses
        - WrapperClasses\_for\_BooleanType
        - WrapperClasses\_for\_Char\_Type
        - WrapperClasses\_for\_Integer
        - WrapperClassesfor\_Floating\_Point
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings

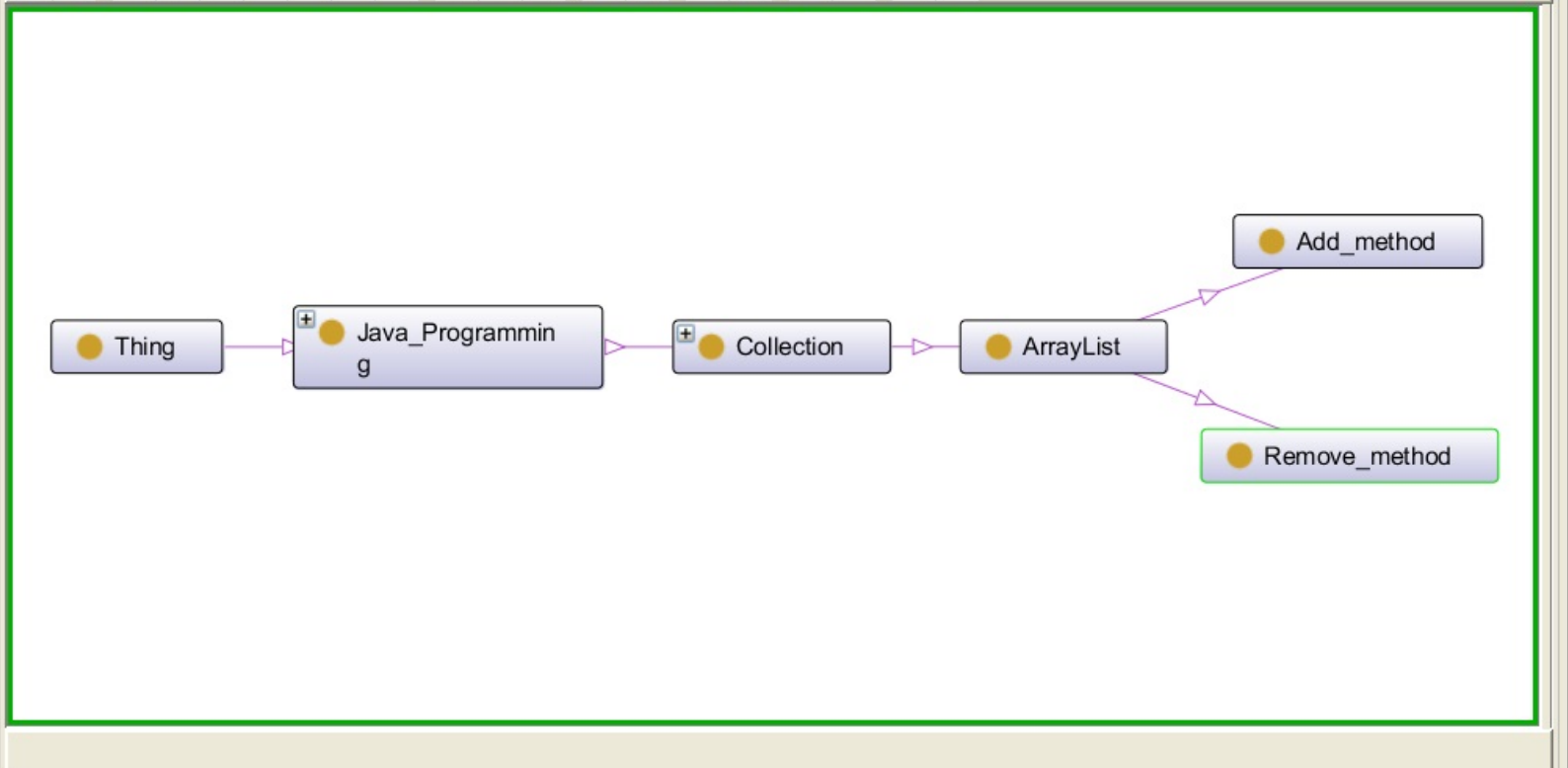
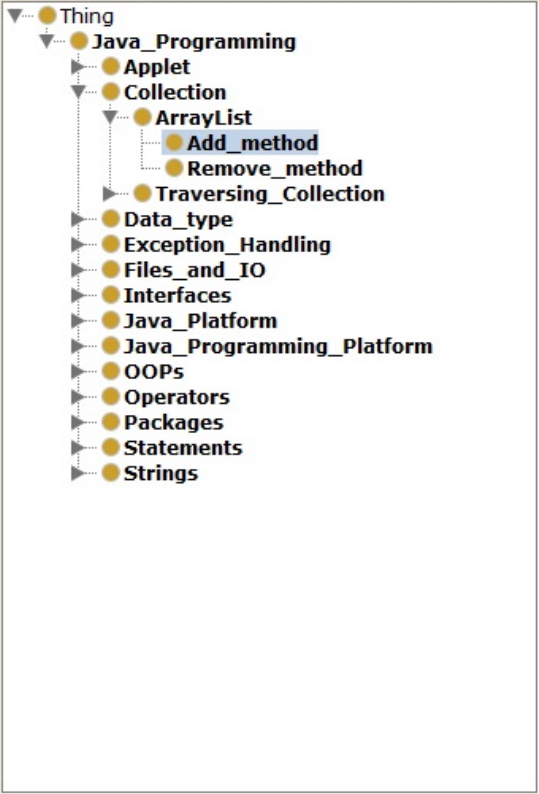


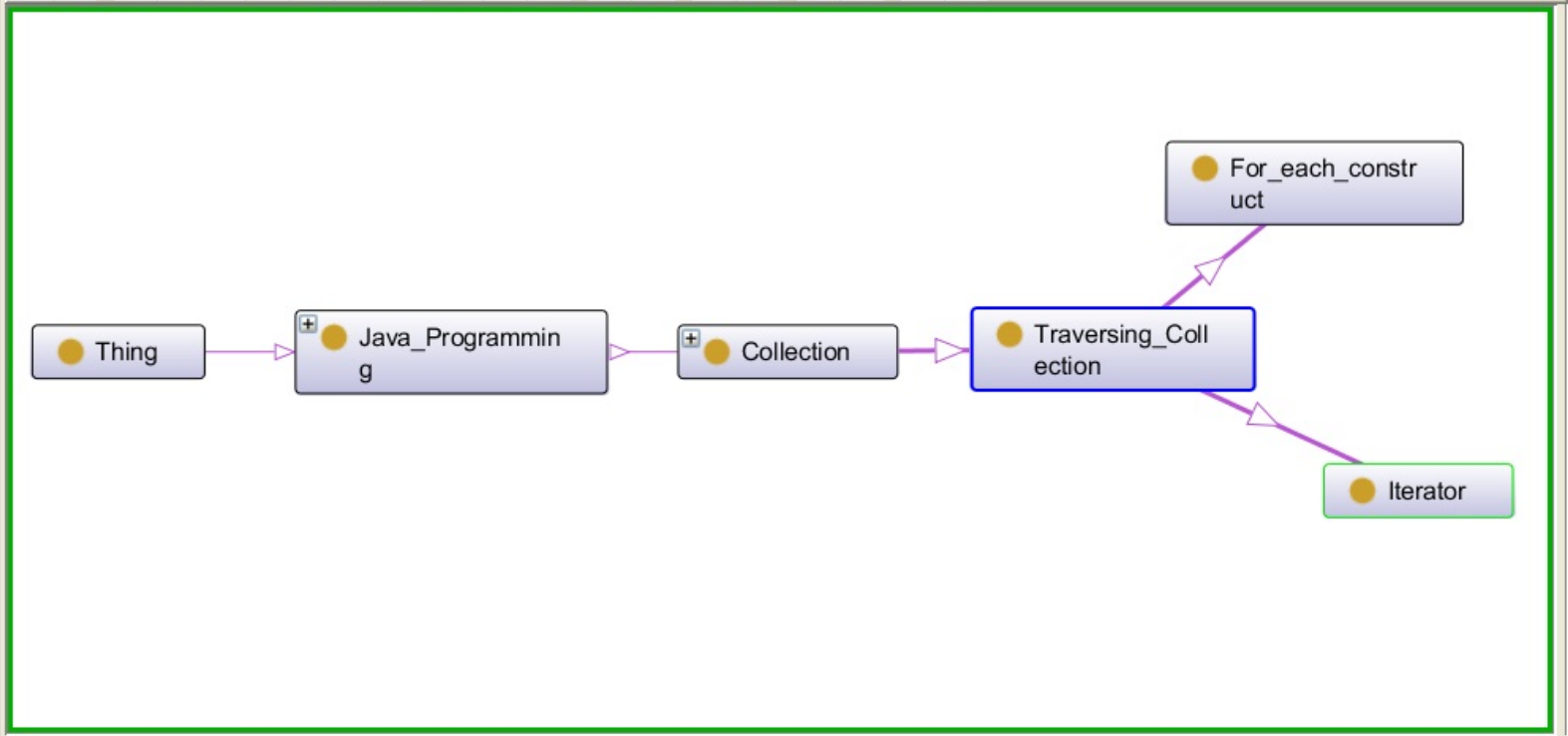
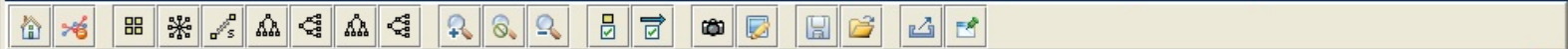
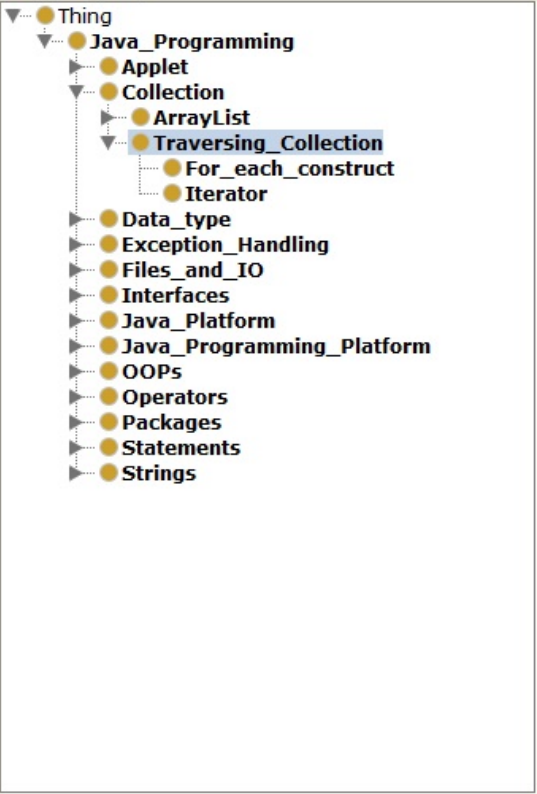


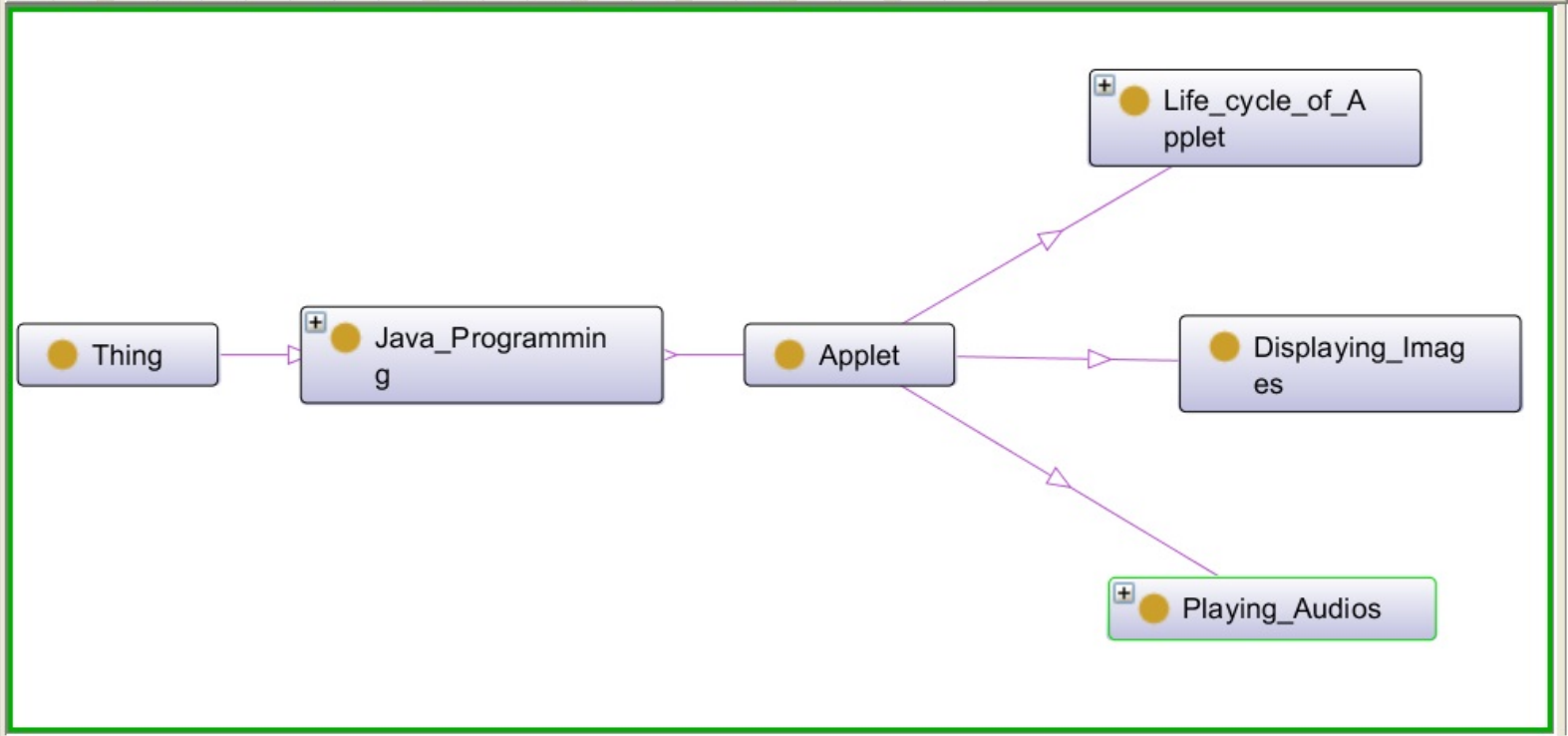


- Thing
  - Java\_Programming
    - Applet
    - Collection
      - ArrayList
      - Traversing\_Collection
  - Data\_type
  - Exception\_Handling
  - Files\_and\_IO
  - Interfaces
  - Java\_Platform
  - Java\_Programming\_Platform
  - OOPs
  - Operators
  - Packages
  - Statements
  - Strings



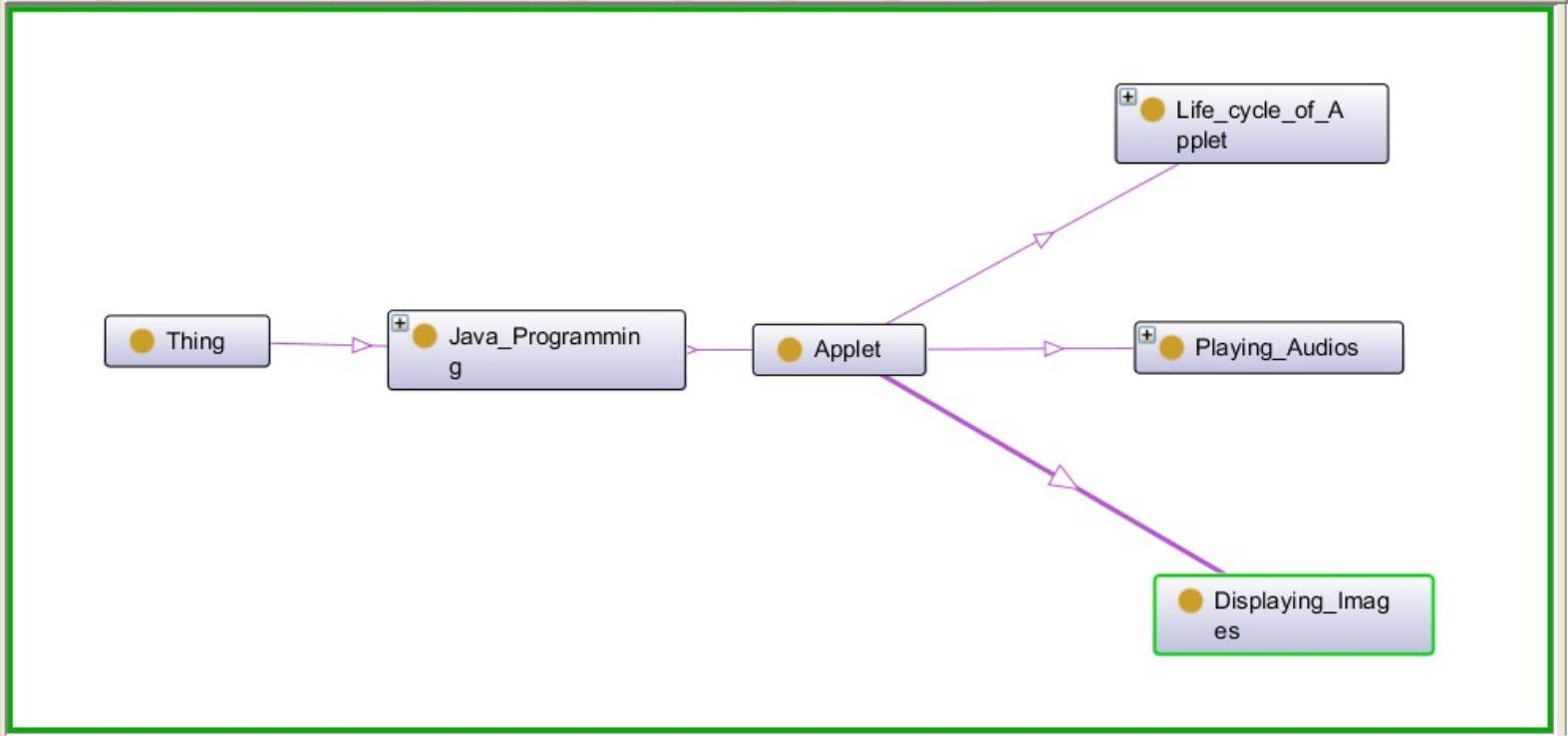
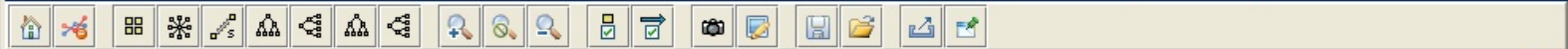






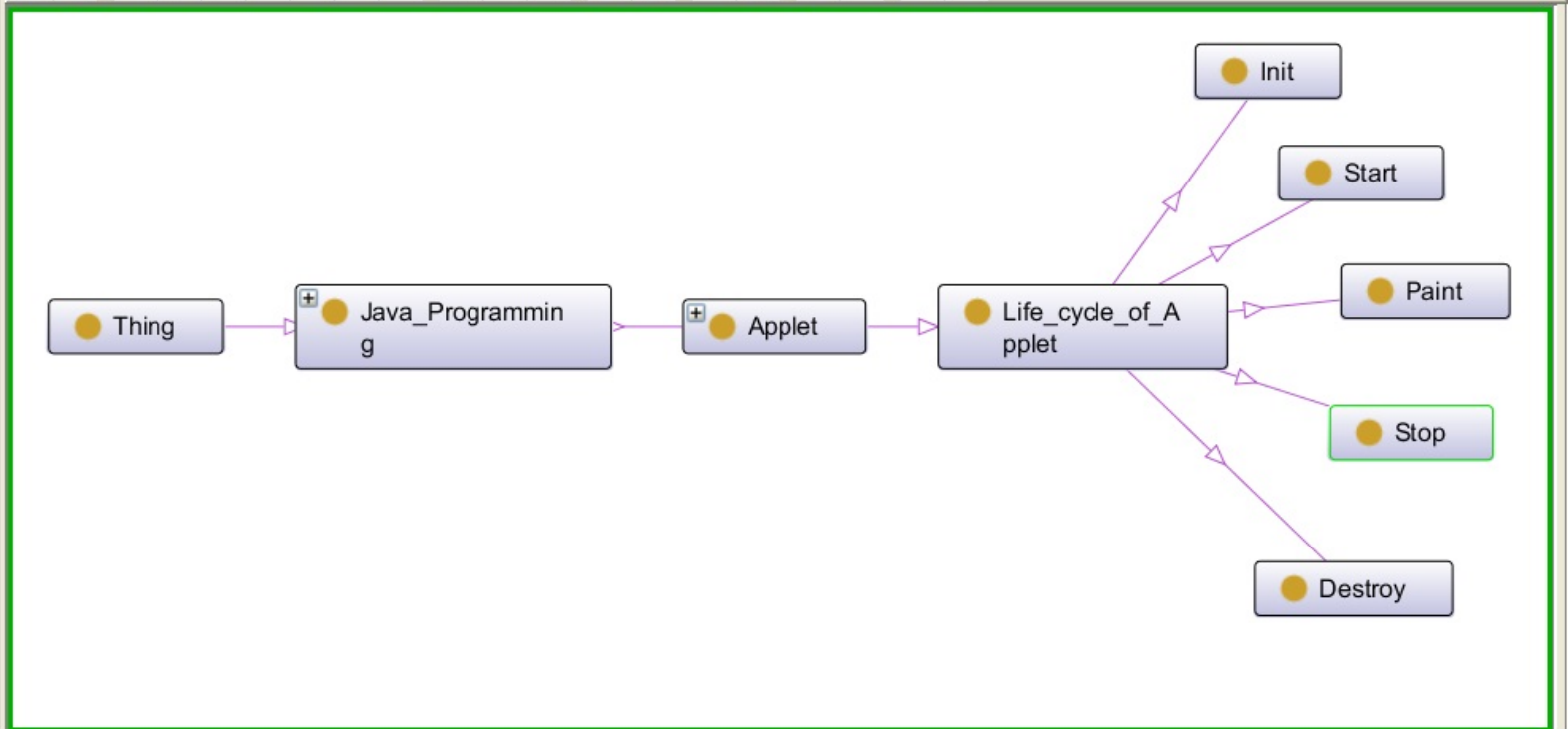


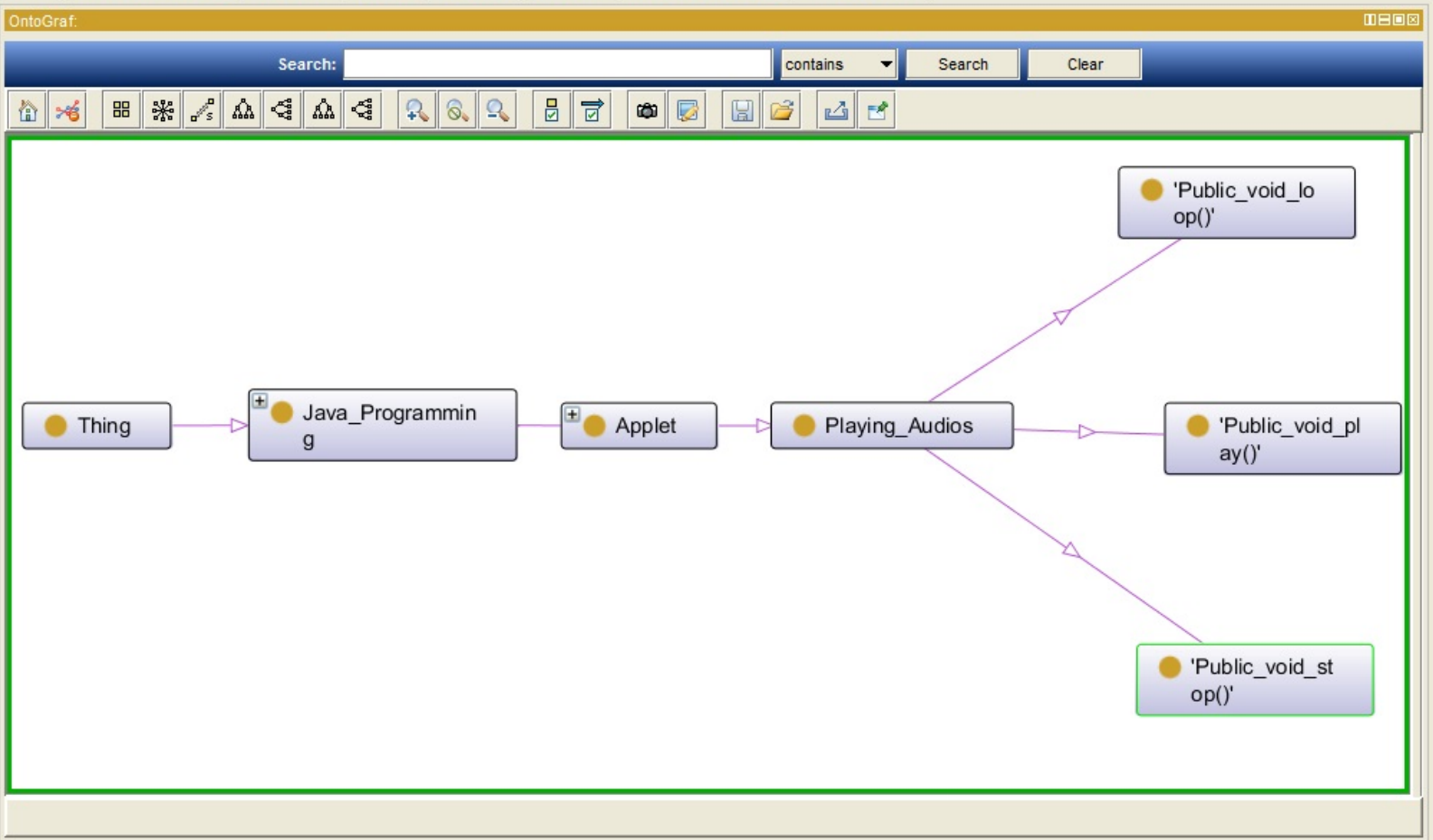
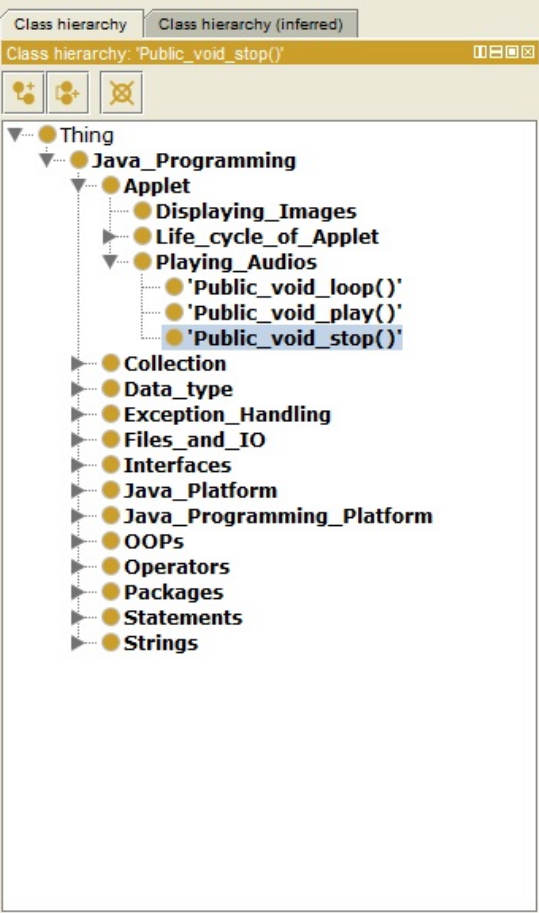
- Thing
  - Java\_Programming
    - Applet
      - Displaying\_Images
      - Life\_cycle\_of\_Applet
      - Playing\_Audios
    - Collection
    - Data\_type
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings





- Thing
  - Java\_Programming
    - Applet
      - Displaying\_Images
      - Life\_cycle\_of\_Applet
        - Destroy
        - Init
        - Paint
        - Start
        - Stop
      - Playing\_Audios
    - Collection
    - Data\_type
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings







- Thing
  - Java\_Programming
    - Applet
    - Collection
    - Data\_type
    - Exception\_Handling
    - Files\_and\_IO
    - Interfaces
    - Java\_Platform
    - Java\_Programming\_Platform
    - OOPs
    - Operators
    - Packages
    - Statements
    - Strings

