



MapObjects[®] Java[™] Edition

*Mapping and GIS Components
for the Java Developer*

MapObjects®—Java™ Edition

Mapping and GIS Components for the Java Developer

MapObjects®—Java Edition is a powerful collection of client- and serverside components that developers can use to build custom, cross-platform geographic information system (GIS) applications. Regardless of whether you choose to use the high-level components for rapid application development in the integrated development environment (IDE) of your choice or drill into the extensive application program interface (API) for fine-grained control, MapObjects—Java Edition helps you build applications that perform a variety of geography-based display, query, and data retrieval activities at the presentation, Web, and server tiers.

Key Features Include

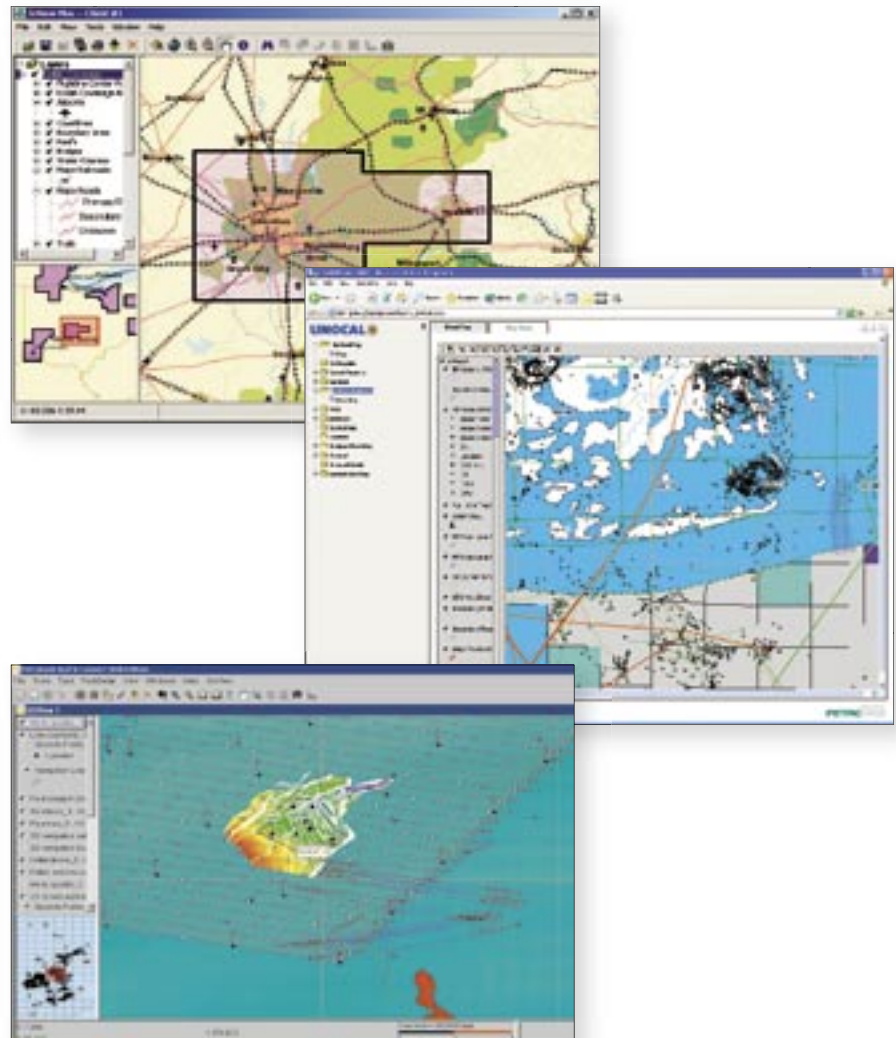
Ability to Combine Multiple Distributed Data Sources—

By using applications created with MapObjects—Java Edition, end users can combine local data with Internet and Intranet data to create their own customized maps and easily integrate these with existing application architectures.

Supported data formats include

- Industry-standard shapefiles
- ArcSDE® layers
- ArcIMS® image and feature services
- Image formats such as BMP, TIFF, PNG, JPG, GIF, and MrSID®
- CAD (DGN, DXF, and DWG)
- Military formats
- And much more

You can also use MapObjects—Java Edition to access files from your own custom, industry-specific data sources for easy integration.



Wide Range of GIS Capabilities—With applications built using MapObjects—Java Edition, users can perform activities such as

- Labeling map features
- Thematic mapping
- Panning and zooming through multiple map layers
- Specifying projections
- Querying spatial and attribute data
- Performing geometric operations
- Measuring distances
- Displaying real-time geographic data
- Creating layouts

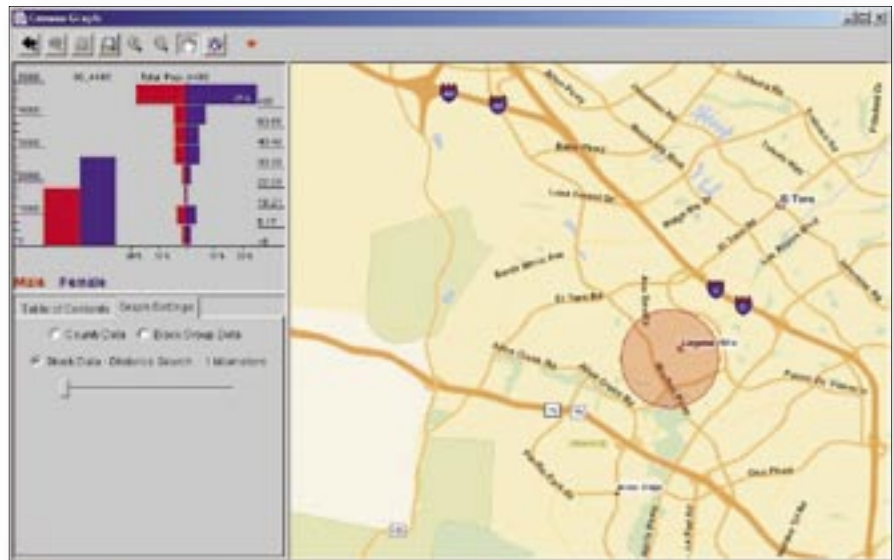
Ability to Deploy Your Applications Over the Web—You can easily distribute your MapObjects—Java Edition applications over an Internet or Intranet through browser-hosted applets or simplify Web delivery of your application with the use of Sun™ Java Web Start technology, the industry-standard launching mechanism for distributing Java applications over the Web.

Helpful Tools for Building a User Interface—By using the rich Swing components included with MapObjects—Java Edition, you can quickly build applications that include functional toolbars, dynamic symbol control, query dialogs, overview and insert maps, and intelligent legends that make your custom applications easy to use and even easier to develop.

Serverside (J2EE) Components—The serverside map component in MapObjects—Java Edition allows developers to build map services, JavaServer Pages (JSPs) and servlets, or custom Enterprise JavaBeans™(EJB) Web-based mapping applications. Several extensive sample applications based on JSPs and EJBs are provided to demonstrate how to build robust Web applications with the serverside map objects.

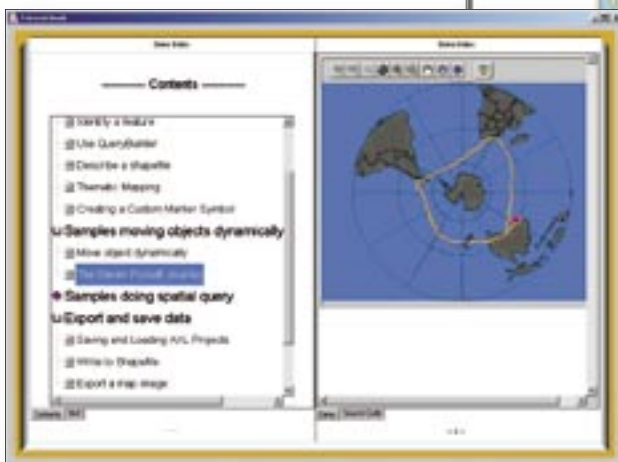
MapObjects—Java Edition Comes With These Useful Resources

- A suite of high-level visual JavaBeans that you can drag and drop at design time into an IDE such as JBuilder™ or Sun ONE Studio
- Developer’s Guide and Programmer’s Reference
- Javadoc (API references)
- Client- and serverside sample applications (including source code)
- Quick-start tutorials
- Comprehensive object model diagram



“MapObjects—Java Edition allows us to deliver faster, cheaper, and better-integrated GIS data management solutions. Standard GIS components are available out of the box and can be easily extended with our own custom functionality. Combined with the platform independence of Java, this allows us to deliver a powerful, integrated data management and GIS solution over the Web.”

Maggie Montaigne
Systems Vice President
Data and Application Management
Landmark Graphics





For more than 30 years ESRI has been helping people manage and analyze geographic information. ESRI offers a framework for implementing GIS technology in any organization with a seamless link from personal GIS on the desktop to enterprisewide GIS client/server and data management systems. ESRI GIS solutions are flexible and can be customized to meet the needs of our users. ESRI is a full-service GIS company, ready to help you begin, grow, and build success with GIS.

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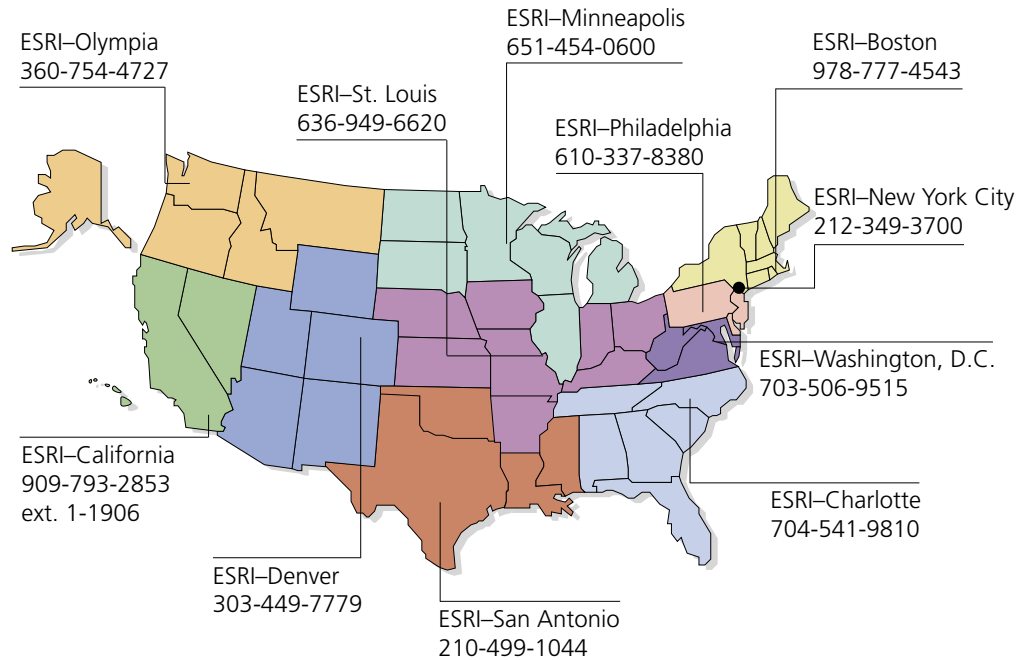
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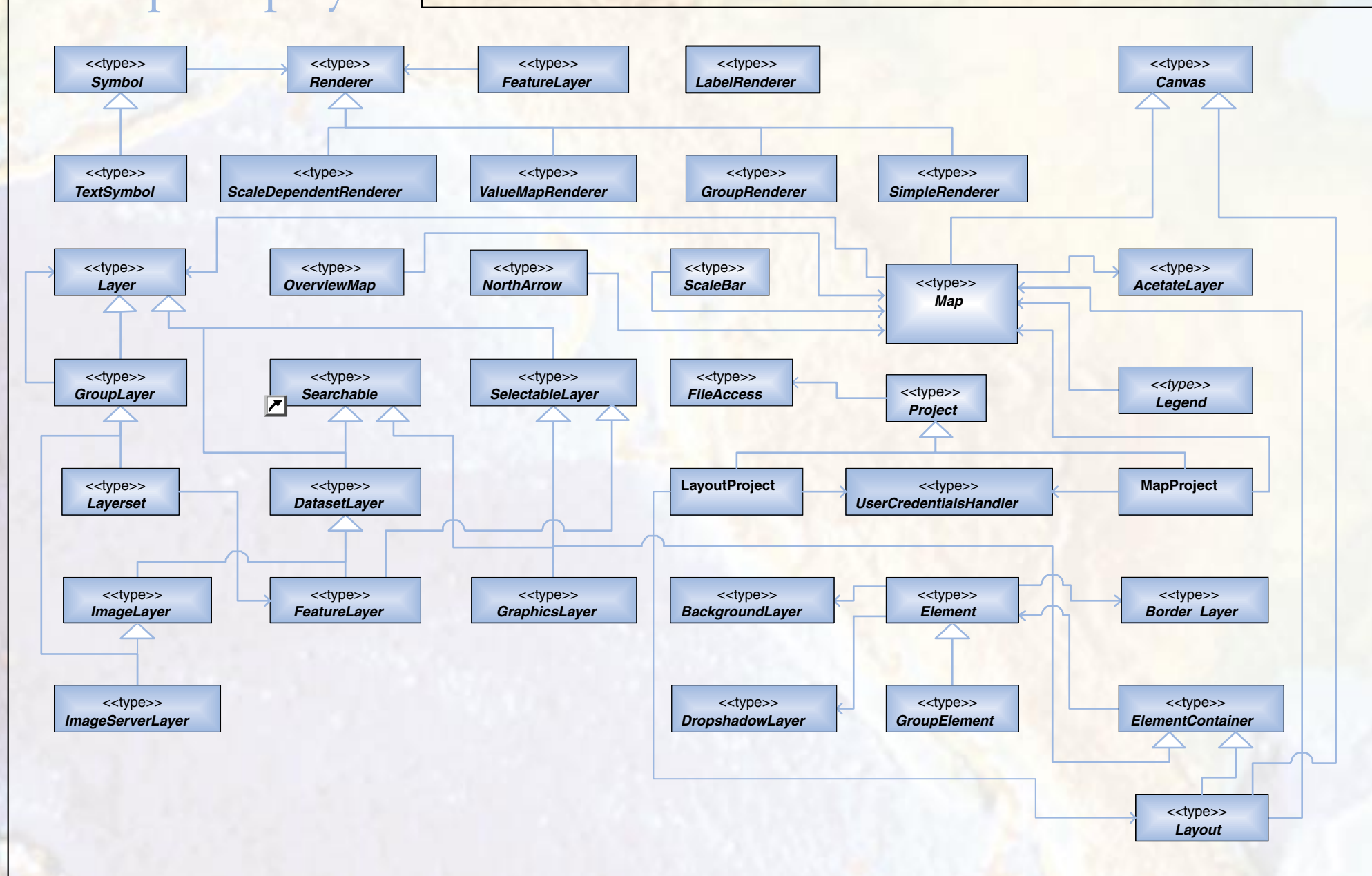


MapObjects

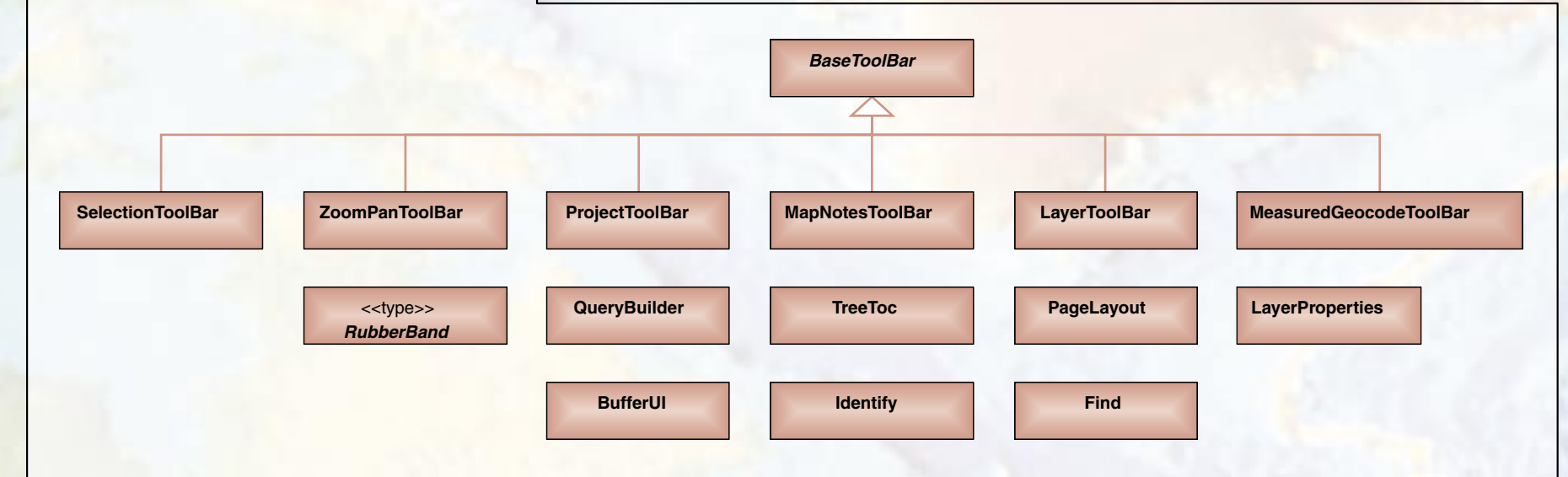
Java™ Edition, Version 2

Class Diagram

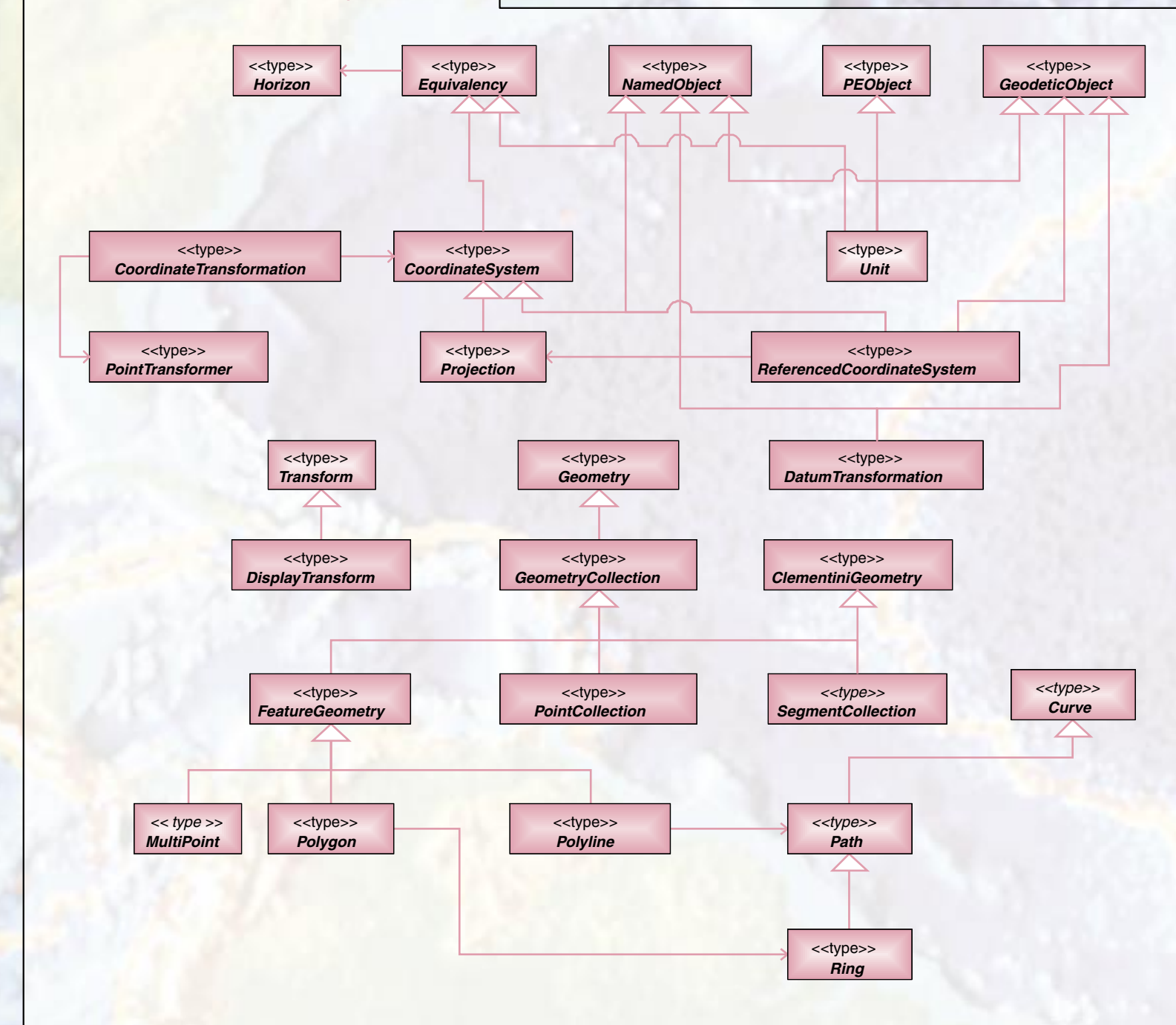
Map Display



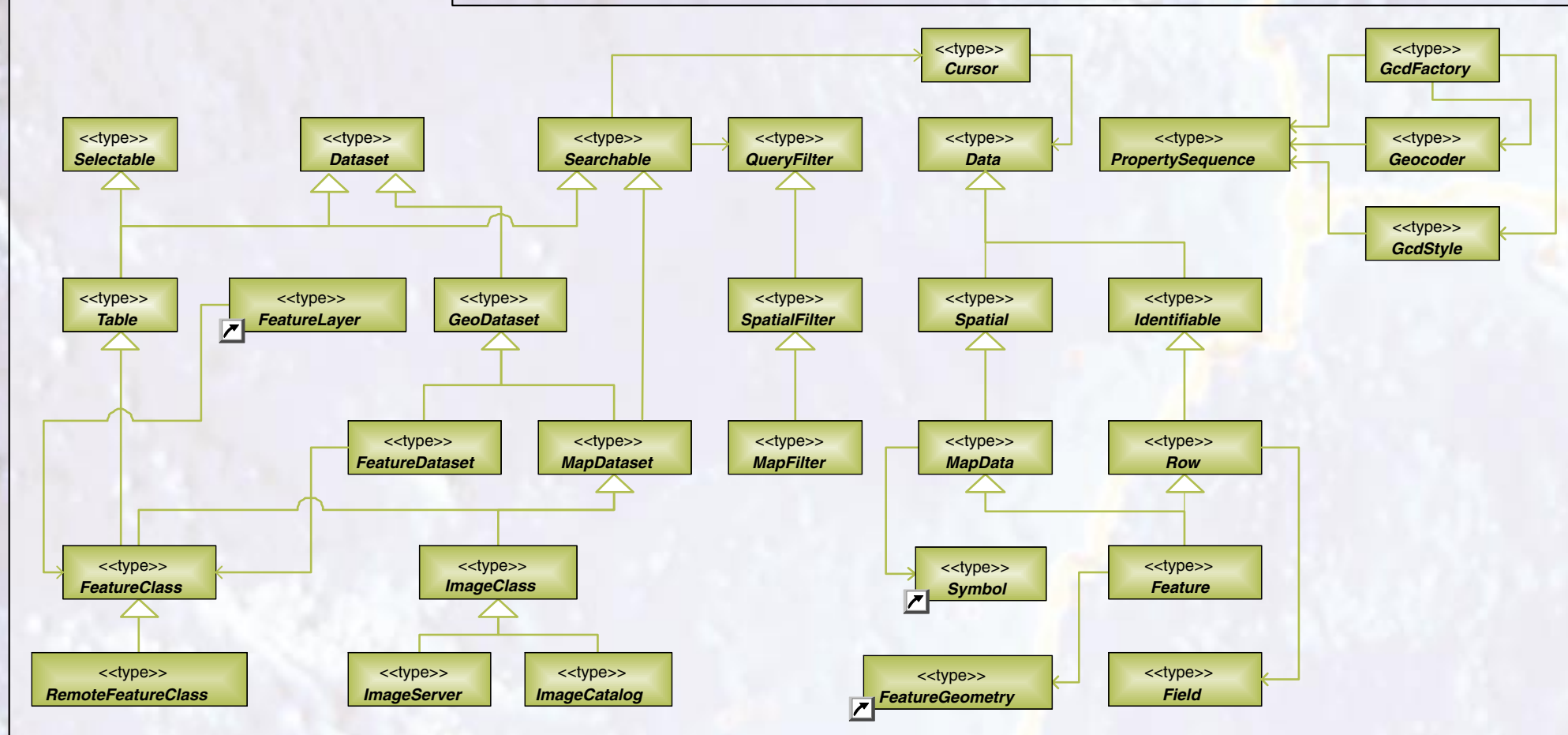
User Interface



Coordinate System



Data Access



Content

