

GIMpeD Beta Release

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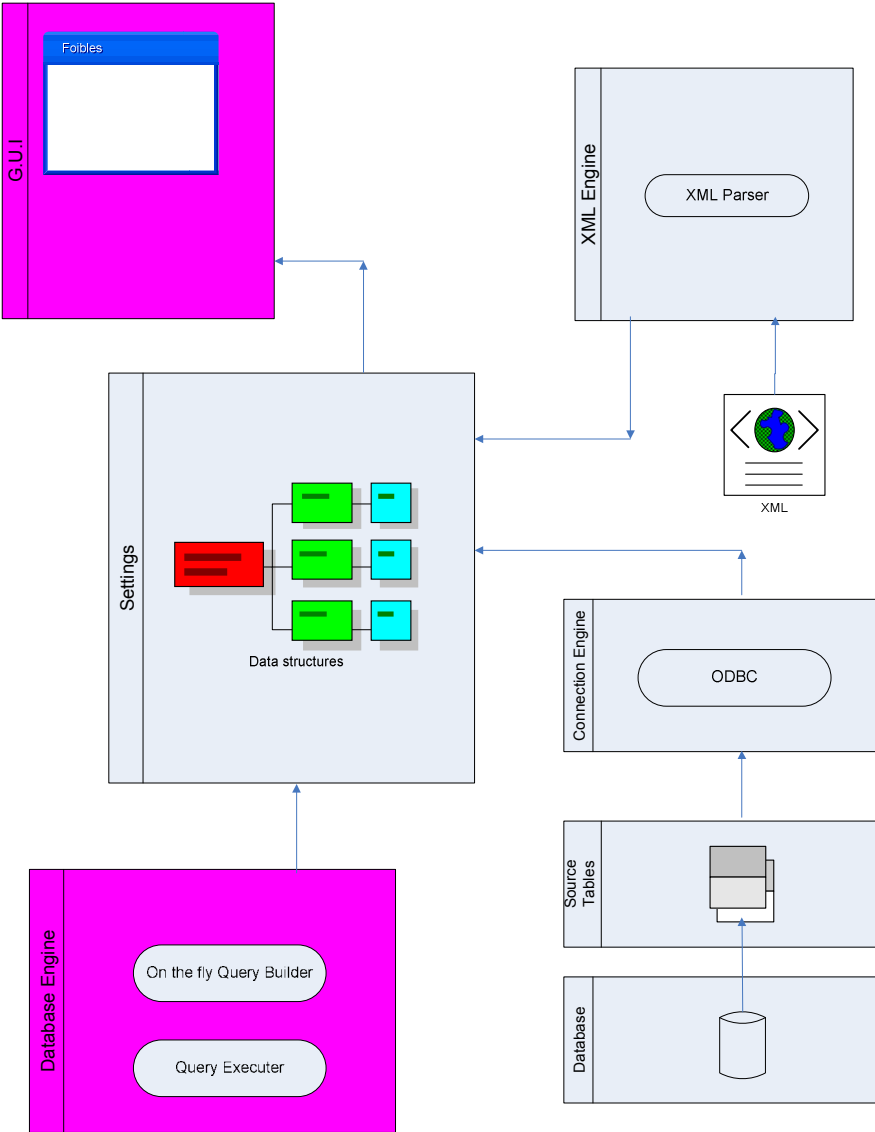
Summary

- Requirements & Features
- Current Design
- Current Implementation
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- Previous Release Basis
- Current Release Implementation
- Live Demonstration
- Final Additions to make
- Testing
- Project Status
- Feedback

Requirements & Features

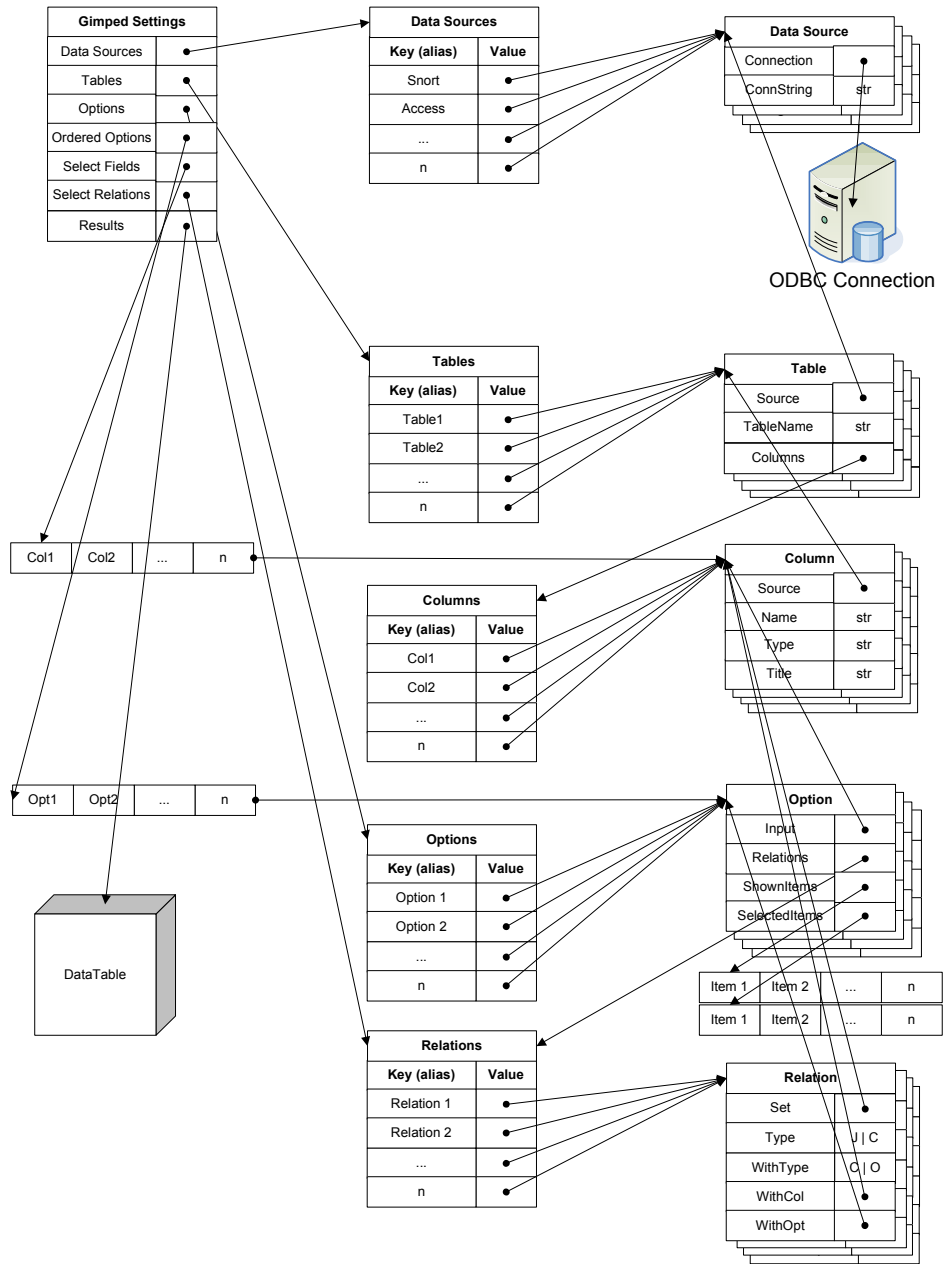
- Platform Independent
- XML Parser
- XML Validation against predefined DTD
- Scrollable Option-Panel
- Sortable Data Grid
- Modular design allows replacement of DBEngine w/o need to change other modules

Current Implementation



Gimped.Settings

3.0
11/12/2007



Previous Release

- Open and parse XML files
- Validate XML files via a DTD file
- Connect to a database
- Query the database
- Construct options set defined in XML file
- Generate fields in Datagrid
- Fill the options set and fields in the Datagrid with data from a SQL query

Additional features in Beta release

- Data View Grid is updated based on the constraints from the options selected.
- Options updated based on constraints from other options that are selected.
- Hex view implemented based on selection of a cell in the data grid view.

Note: Hex view only works for string inputs at this point, for final release need to implement other data types.

Live Demonstration

Final additions to make:

- Clean GUI.
 - Work on automatic resizing of windows
 - Hex View displayed as an closeable overlay.
 - Removal of Option Box panel if there are no options included in the XML configuration file.
- Improve performance.
 - Look at query construction, and consider optimization techniques.

Testing

- Developmental Testing
 - Basic Database (Small enough that we can trace every element)
 - Larger Database (Ben's 3 plus meg Amorak DB)
 - Ever growing test suite.

Addressed Issues

- Update function exceptions
- Missing select all
- Appending of items in data grid and option boxes (Ever growing lists)

Deferred Issues

- Hex View data types.
- Unhandled exception during data grid sort.
- Hex View is not read only.

Project Status Recap

Complete:

- XML Engine
- GUI – (only need to perform cosmetic changes)
- Database Engine – (Work on optimization of queries)
- Connection Engine
- Settings

Feedback

- Questions?
- Comments?
- Concerns?