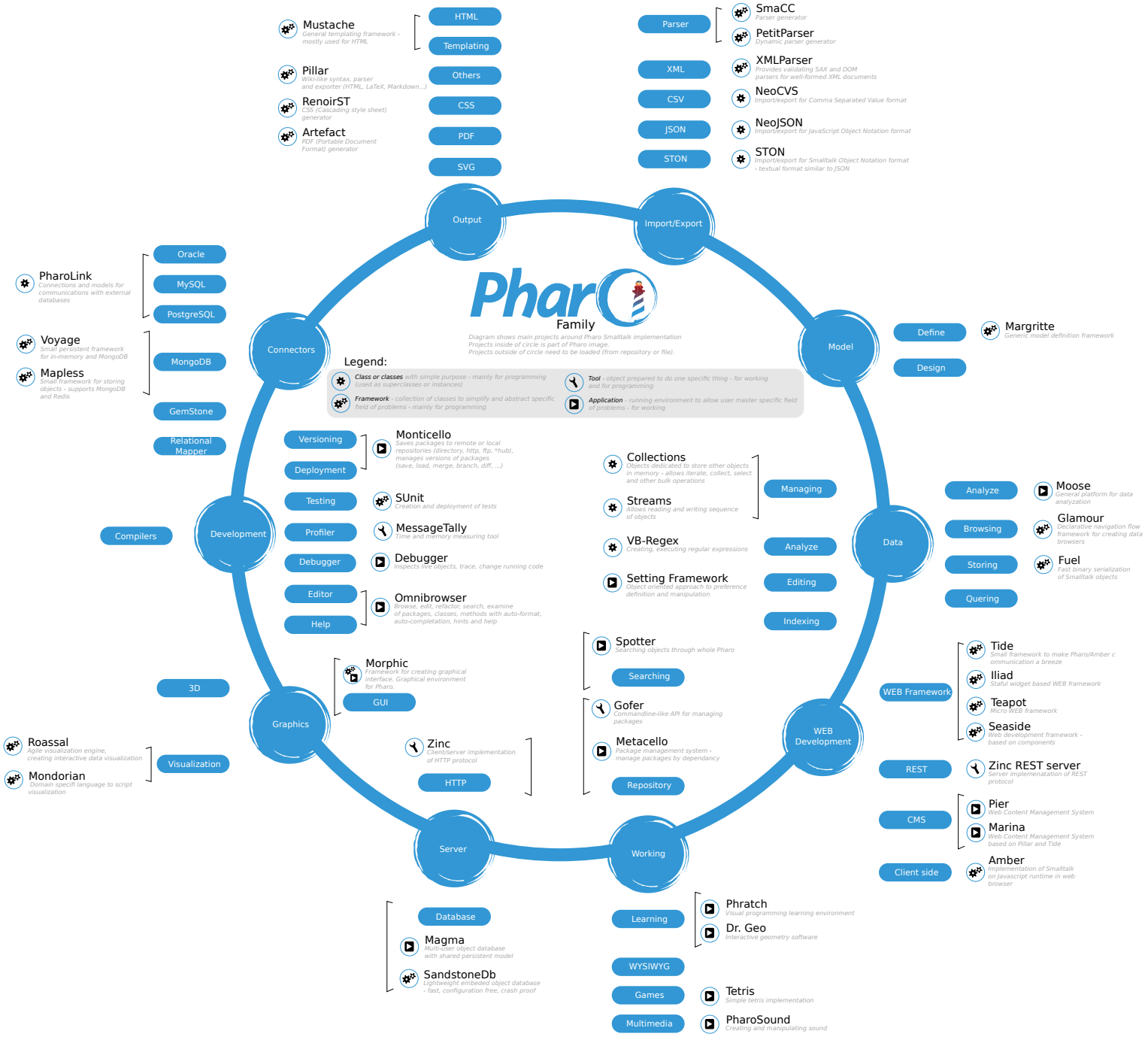
Output
Import/Export
Model
Data
WEB Development
Working
Server
Graphics
Development
Connectors
Pharo
Family
Diagram shows main projects around Pharo Smalltalk implementation
Projects inside of circle is part of Pharo image.
Projects outside of circle need to be loaded (from repository or file).
Legend:
Class or classes with simple purpose - mainly for programming (used as superclasses or instances)
Framework - collection of classes to simplify and abstract specific field of problems - mainly for programming
Tool - object prepared to do one specific thing - for working and for programming
Application - running environment to allow user master specific field of problems - for working
Mustache
General templating framework - mostly used for HTML
HTML
Templating
Pillar
Wiki-like syntax, parser and exporter (HTML, LaTeX, Markdown...)
Others
RenoirST
CSS (Cascading style sheet) generator
CSS
Artefact
PDF (Portable Document Format) generator
PDF
SVG
Parser
SmaCC
Parser generator
PetitParser
Dynamic parser generator
XML
XMLParser
Provides validating SAX and DOM parsers for well-formed XML documents
CSV
NeoCVS
Import/export for Comma Separated Value format
JSON
NeoJSON
Import/export for JavaScript Object Notation format
STON
STON
Import/export for Smalltalk Object Notation format - textual format similar to JSON
Define
Margritte
Generic model definition framework
Design
Managing
Collections
Objects dedicated to store other objects in memory - allows iterate, collect, select and other bulk operations
Streams
Allows reading and writing sequence of objects
Analyze
VB-Regex
Creating, executing regular expressions
Editing
Setting Framework
Object oriented approach to preference definition and manipulation
Indexing
Analyze
Moose
General platform for data analyzation
Browsing
Glamour
Declarative navigation flow framework for creating data browsers
Storing
Fuel
Fast binary serialization of Smalltalk objects
Quering
WEB Framework
Tide
Small framework to make Pharo/Amber communication a breeze
Iliad
Statful widget based WEB framework
Teapot
Micro WEB framework
Seaside
Web development framework - based on components
REST
Zinc REST server
Server implemenatation of REST protocol
CMS
Pier
Web Content Management System
Marina
Web Content Management System based on Pillar and Tide
Client side
Amber
Implementation of Smalltalk on Javascript runtime in web browser
Learning
Phratch
Visual programming learning environment
Dr. Geo
Interactive geometry software
WYSIWYG
Games
Tetris
Simple tetris implementation
Multimedia
PharoSound
Creating and manipulating sound
Database
Magma
Multi-user object database with shared persistent model
SandstoneDb
Lightweight embeded object database - fast, configuration free, crash proof
HTTP
Zinc
Client/server implementation of HTTP protocol
Repository
Spotter
Searching objects through whole Pharo
Searching
Gofer
Commandline-like API for managing packages
Metacello
Package management system - manage packages by dependancy
GUI
Morphic
Framework for creating graphical interface, Graphical environment for Pharo.
3D
Visualization
Roassal
Agile visualization engine, creating interactive data visualization
Mondorian
Domain specifi language to script visualization
Compilers
Versioning
Monticello
Saves packages to remote or local repositories (directory, http, ftp, *hub), manages versions of packages (save, load, merge, branch, diff, ...)
Deployment
Testing
SUnit
Creation and deployment of tests
Profiler
MessageTally
Time and memory measuring tool
Debugger
Debugger
Inspects live objects, trace, change running code
Editor
Omnibrowser
Browse, edit, refactor, search, examine of packages, classes, methods with auto-format, auto-completation, hints and help
Help
Oracle
MySQL
PostgreSQL
PharoLink
Connections and models for communications with external databases
MongoDB
Voyage
Small persistent framework for in-memory and MongoDB
Mapless
Small framework for storing objects - supports MongoDB and Redis
GemStone
Relational Mapper