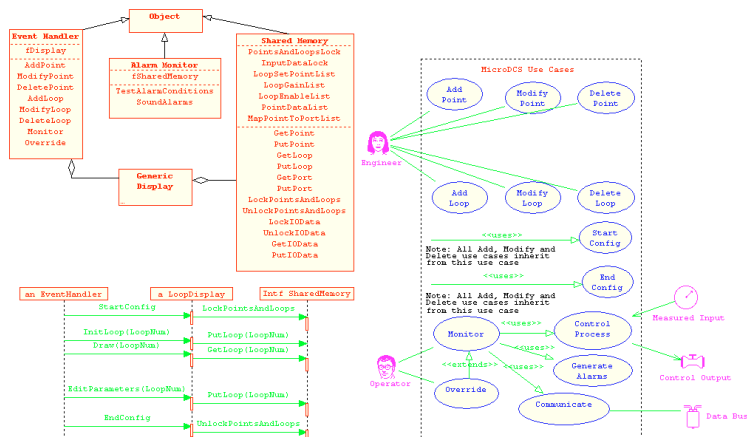


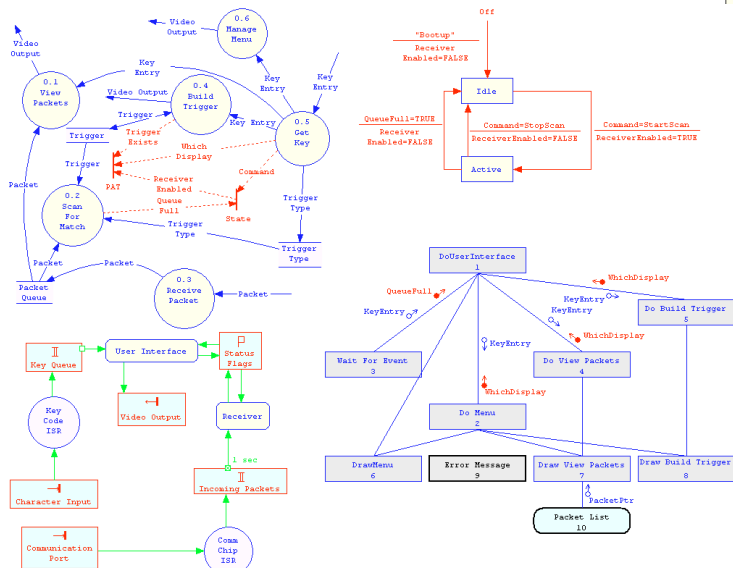
System Models & Simulation
Requirements Management
Software and Database Design
Code Generation & Reengineering
Team Development & Reports
Business Process Models
Screen Prototypes & Flowcharts



System Models & Simulation

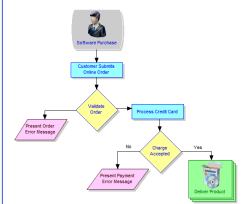
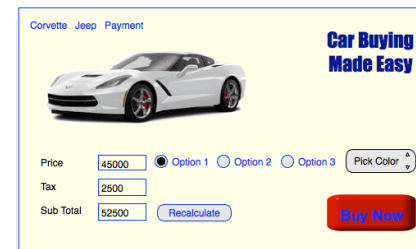
WinA&D makes it easy to model dynamic systems with Causal Loop Diagrams. Parameterize the model with data and equations, run time simulations and present the system behavior with live charts, graphs and tables.

Data files can provide input data to models or capture output results. Use the integrated Data File editor to edit data items, import or export to a spreadsheet, database or charting application.



Screen Prototypes & Flowcharts

Draw screens, add behavior and browse the user experience for desktop and mobile applications or websites. Flowchart any business or technical process.



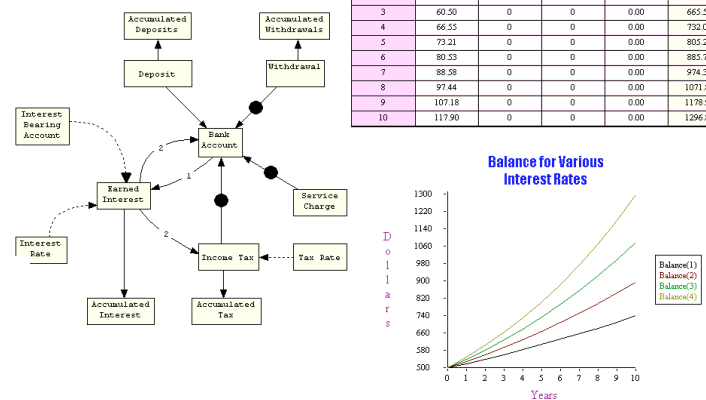
UML

Design object-oriented software with UML. Package and Class diagrams show class structure. A Use Case diagram identifies the system boundary and use cases, while textual descriptions capture the details. Statecharts define specific states of a system and events that cause state transitions. Show object interactions with Communication or Sequence diagrams.

Indicate parallel behavior with Activity diagrams. A Deployment diagram illustrates the physical relationships between hardware and software components in the delivered system.

Design your database system with logical and physical data models. Rich data models represent tables, views, constraints, assertions, triggers, indexes, procedures and other SQL elements. Generate the SQL schema code for popular RDBMS products like Oracle, SQL Server, DB2, Sybase, Informix and InterBase.

Year	Earned Interest	Deposit	Withdrawal	Income Tax	Bank Account
0	0	0	0	0	500.00
1	50.00	0	0	0.00	550.00
2	55.00	0	0	0.00	605.00
3	60.50	0	0	0.00	665.50
4	66.55	0	0	0.00	732.05
5	73.21	0	0	0.00	805.26
6	80.53	0	0	0.00	885.79
7	88.58	0	0	0.00	974.37
8	97.44	0	0	0.00	1071.81
9	107.18	0	0	0.00	1178.99
10	117.90	0	0	0.00	1296.89



Structured Analysis & Design

Structured analysis and design has been the foundation of multi-tasking, real-time system development for many years. Data and control flow diagrams show the flow of information through a system. State diagrams and tables identify modes of operation and event handling.

Task diagrams illustrate threads of execution (tasks and ISRs) and the operating system services (event flags, queues and semaphores) that connect them. Structure charts highlight call structure between modules.

Requirements Management

Name	Priority	Status	Author	Assigned	Category	Effort
MatrixDataExchange	Medium	Approved	Ron	John	Compatibility	2
MatrixDataExchange.Import	Medium	Approved	Ron	John	Compatibility	4.5
MatrixDataExchange.List	Medium	Approved	Ron	John	Compatibility	5
MatrixManageQueries	High	Validated	Ron	Tom	Configuration	3
MatrixManageQueries.Add	High	Validated	Ron	Tom	Configuration	3
MatrixManageQueries.Clone	Low	Validated	Ron	Tom	Configuration	1
MatrixManageQueries.Delete	High	Validated	Ron	Tom	Configuration	5
MatrixManageQueries.Edit	High	Validated	Ron	Tom	Configuration	2.5
MatrixManageViews	High	Validated	Ron	Tom	Configuration	5
MatrixManageViews.Add	High	Validated	Ron	Tom	Configuration	1.5
MatrixManageViews.Clone	Low	Validated	Ron	Tom	Configuration	1
MatrixManageViews.Delete	High	Validated	Ron	Tom	Configuration	1
MatrixManageViews.Edit	High	Validated	Ron	Tom	Configuration	3
MatrixManageWindow	High	Validated	Ron	Tom	Functional	7
MatrixManageWindow.Configuration	High	Validated	Ron	Tom	Configuration	3
MatrixManageWindow.CurrentQuery	High	Validated	Ron	Tom	Functional	2.5
MatrixManageWindow.CurrentView	High	Validated	Ron	Tom	Functional	1.5
MatrixManageWindow.EditEntv	High	Validated	Ron	Tom	Functional	5

Requirements drive the entire development process. WinA&D offers an integrated requirements management solution with capabilities to identify, specify, group, track, control and use requirements.

With user-defined definition templates, capture a structured collection of fields for each requirement entry like Status, Priority, Author, Date, Assigned, Category, Effort, Summary and Description. The Matrix window presents this information with custom views and queries. A collection of column names defines a view, while a query specifies a collection of rows.

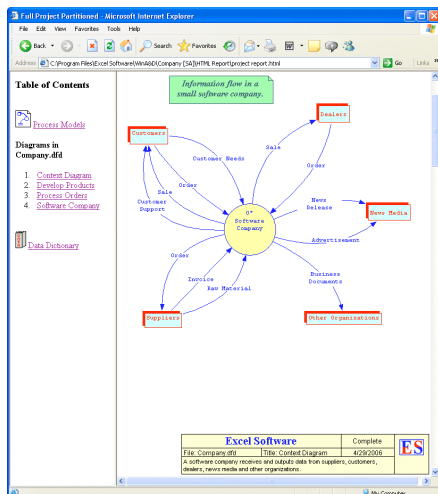
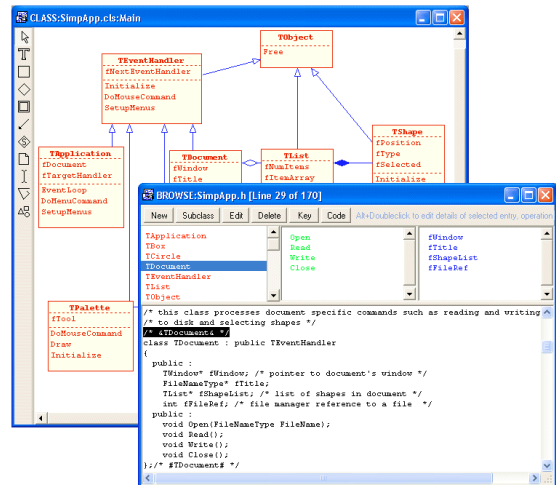
System analysts, designers, programmers, managers, product testers and others involved in the development process all use system and product requirements but in very different ways. Views and queries satisfy each user's specific need.

Code Generation & Reengineering

To leverage the comprehensive modeling environment, WinA&D has code generation for object-oriented, procedural and database designs.

From class diagrams, generate C++, C#, Java, Delphi, Xojo, PHP or Ada code for the class declarations (packages for Ada) and function frames. From structure charts, generate function and procedure frames for C, Pascal, Basic, PHP or Fortran. From data models, generate the SQL schema.

Use WinTranslator to generate class, structure and data models from source code written in the programming languages mentioned above. Automatically sift through, identify and create separate structure charts for each thread of execution in a large pool of source code.

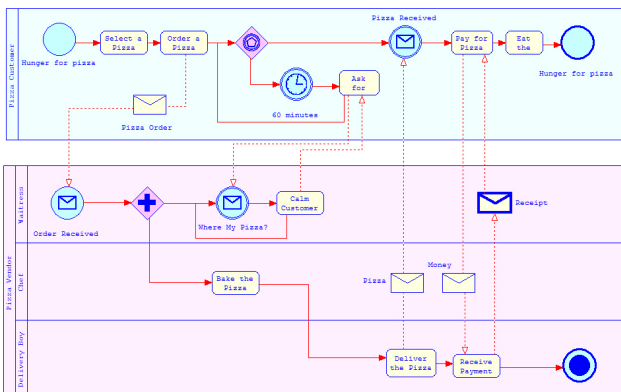


Business Process Models & Project Reports

WinA&D supports Business Process Model Notation with Collaboration, Process, Choreography and Conversation diagrams. Integrate BPMN with dictionary, requirements and other models.

All models support verification, balancing, import and export features to check for errors and share work between users, development tools and platforms. The built-in report generator comes with many standard reports to view project information or requirements traceability using a standard HTML browser or word processor.

The scriptable report generator makes it easy to create custom reports with full control over content and format. Every diagram, table, requirement, text specification or piece of data is accessible to your report. A script can add new features and interact with the user through menu commands and dialogs.



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