FreeForm Designer

FreeForm Designer enables designing smart forms based on industry-standard MS Word editing features. FreeForm Designer does not require any knowledge of or training in programming languages in order to implement complex business logic in the forms.

FreeForm Designer supports:

❖ A wide variety of powerful design features provided by MS/Word 2007 interface, such as:

Design, based on existing Word (DOT/DOTX) templates – Setting page count, styles, logo.

Header and footer support

Automatic pagination

Paragraph editing, in a wide range of design styles

Various bulleting and numbering formats

Tables types (shape, style, etc.)

Graphic objects and images – smooth integration

❖ "Point and Click" Data Tag integration, including smart navigation between different tags and search mechanisms – For specific tags in the data repository or/and form canvas.

❖ FreeForm Scripter, used for applying conditional logic to the forms (tags, constant text, images). Scripts are designed in a highly intuitive manner - no programming skills are required. A wizard-driven and user-friendly interface assists in generating the most complex scenarios.

Containers – Script element that controls displaying and hiding various parts of the form (e.g. tags, tables, images, and paragraphs/sentences/words)

Various Scripts types – Local Scripts (applied to elements within a specific form only), Project Scripts (used by numerous forms and can be edited externally while all the changes are automatically applied to all relevant form

Test Preview – Unique feature used for design and script verification. Test Preview actually simulates the Production environment at the Design stage. The Test Preview system merges customized input data with the template and executes the scripts included in the template. Test Preview significantly reduces the QA process prior to releasing the templates to the production environment, thereby enabling considerable savings in the human resources required for performing QA testing.

- ❖ Images – Dynamic images can be integrated into the templates. The image sources can be external files (images can be dynamically changed on the base of Scripts) or in the binary format integrated into the application data.

- ❖ Segments – Library of content segments that can be used repeatedly in different forms. Reusable segments can include data tags, text, and pictures, and be inserted into any form section.

- ❖ Sub-forms – Enables integrating sub-forms into the various forms and automatically updating these forms each time that changes are performed in the sub-forms themselves. This ability significantly shortens the editing time and significantly improves design uniformity throughout all of the various forms.

- ❖ Objects – Objects are actually forms (designed and complied in the same manner as forms) that can be dynamically concatenated to any regular form during output. Object concatenation occurs at the end of the generated forms according to the order specified by the application.

- ❖ Multi-language GUI support – Full Hebrew GUI support (other languages can be supported as well) in the Design stage fully integrates with the localized MS Word program GUI.

- ❖ Multi-language Design - Enables multi-language form editing (both in the constant text as well as in the data fields).

- ❖ Exportability – Enables exporting the variable format of Word 2003/2007 files to external systems for supervision and inspection purposes. Standard Word environment usage enables smooth integration of material from the operative/legal/business departments into the processes of controlling and authorizing various form contents.

- ❖ Importability – Enables importing Word 2003/2007 files designed outside of the FreeForm Designer, and which can be used as the basis of forms, thereby saving significant design time.

- ❖ Data Tags Format (Mask) – Defines the data format design within a wide range of design mask (text, number formats, date and time, conversion of number to words, etc.)

- ❖ Barcode support – Enables displaying the data tag value as a barcode, including a wide variety of supported standards, including the two-dimensional barcode: UPC-A, UPC-E, EAN, 2 of 5, 3 of 9, Code 93, Code 128, EAN/UCC 128, Codabar/Monarch, MSI Plessey, PDF 417, Data Matrix, Maxicode, Aztec.

FreeForm Design Center

FreeForm Design Center (FDC) provides central management and configuration for all enterprise forms.

FreeForm Design Center features include:

- ❖ Set-up and maintenance of all design components (projects, forms, data schemas, sub-forms, objects, segments, scenarios, etc).

- ❖ Data Repository Management and modification – A simple, built-in configuration system for managing data schemas in a wide variety of formats (XML, line matrix, column and rows, etc) in order to define application data tags generated by the various applications.

- ❖ Secure user management – Entering and exiting the design mode is fully controlled by the FDC, thereby avoiding illegal situations such as simultaneous editing.

- ❖ Interactive tag management – Data schema support for interactive tag creation for the purpose of generating "PDF Interactive" output.

- ❖ Multi-language support –Full Hebrew support in the FDC interface (other language packs can be integrated as well).

- ❖ Full form version management –Full control of the form versions, including access to the history of the previous versions and automatic version advancing.

- ❖ Flexible form creation process – Enables creating new forms on the basis of existing forms and/or any of the form's versions. This ability significantly shortens the amount of time needed for editing forms.

- ❖ Comprehensible View – Includes the possibility of an effective sorting and search, including searching for specific text string within the form.

- ❖ User Management module and System Authorization – Enables supporting several form editors on the basis of groups policies, including implementation of such external user management systems as Windows Active Directory.

FreeForm Packager

The FreeForm Packager is used for grouping the discrete forms into the form's collections – packages and distributing them to the various environments (e.g. production, pilot, and test).

FreeForm Packager features include:

- ❖ Simple and intuitive interface – The simple-to-operate and intuitive user interface enables quick creation of form packages.

- ❖ Packaging – Packages can be easily selected from the current pool of compiled forms that belongs to the specific project configured by the FDC.

- ❖ Version history – Enables accessing any form version's histories, while creating the package. This ability allows great flexibility when defining the contents of

the package and significantly saves time when there is the need to roll back a form version that is a part of newly created package.

❖ New package creation, based on earlier versions – Enables creating new packages based on the contents of the earlier versions. This ability significantly shortens the amount of time required to prepare a new package (in the majority of cases, the differences between the forms packages are the incremental changes only) and reduces the possibility of user mistakes.

❖ Visual warning s – Visual warnings, concerning new forms/versions changes, allow users to quickly identify updated forms.

❖ Automatic numbering – Packages numbering is automatic, thereby eliminating human errors caused by manual management.

❖ Storage management – New packages can be simultaneously saved into a default folder or any additionally specified folder. Package distribution utilizes established organizational methods and solutions.

❖ Command-line interface – Packager can be easily managed in the Command-line interface (without a GUI) in the framework of using various configuration and distribution management systems which are in use within the organization (e.g. Clear Case system and others).

FreeForm Runtime

FreeForm Runtime is the core form processing engine, enabling the output generation from any organization application into any distribution channel or format, through an intelligent and dynamic merging of raw data into the required form.

FreeForm Runtime supports:

❖ Various output channels – Output channels and formats can be easily added according to the organization needs over a period of time. Wide variety of distribution output channels are supported (e.g. Print, PDF, Mail, Fax, etc).

❖ Direct and indirect application adaptors – All applications can activate a Runtime engine via carious direct and indirect adaptors (API, Web Service, Watch Folder, etc).

❖ Input data structures – Full support of standard data structures (XML, columns and rows, offset and length, CSV etc) in addition to the option of developing the specific analyzer for any unique data structure.

❖ Output handling and management – Simple and dynamic control over output parameters for the specific job or for the set of jobs (default parameters).

❖ Connectivity to additional infrastructure systems –Interfacing with additional infrastructural systems within the organization (Archives, Digital Press, CRM system, Help Desk, ESB, etc).

❖ Virtualization support – Effortless integration in any virtualization environment.

- ❖ Multi-channel output – Enables simultaneous output generation to a wide variety of distribution channels (print, file, and email).
- ❖ Job Task input–Enables combining a large number of jobs into the single task and generation a unified output in various formats and channels.
- ❖ Multiple-server environments support – Multiple-server environment support utilizing Multi Threading and Multi Processing, while achieving excellent performance.

FreeForm Interactive

FreeForm Interactive enables designing and producing smart and dynamic interactive PDF forms to be used with any standard PDF reader.

Editing interactive forms has never been easier. The process of defining an interactive field and editing it in the form is very much the same as the current easy and intuitive process used with applicative fields.

FreeForm Interactive supports:

- ❖ Unique ability to combine dynamic applicative data with interactive fields, enabling highly personalized output. Applicative data values can also be combined in interactive fields' values (defaults, calculations), reducing form completion time and insuring the accuracy of the submitted data.
- ❖ Various interactive field types as:

    Text Boxes – For entering free text.

    Drop down and List boxes – For selecting values from predefined lists.

    Radio Buttons – For selecting single options.

    Check Boxes – For selecting multiple options.

    Action Buttons – For initiating various automatic processes.

- ❖ Automatic Distribution via email – Option for automatically sending mail to the organization of the interactive PDF.
- ❖ Fully customized and embedded Java Scripts editor, with a syntax error checker, for reducing coding time and increasing efficiency.
- ❖ Data extraction – Data, manually entered into interactive forms, can be easily extracted (in XML or CSV formats) using standard software tools.

Connectors

The FreeForm Runtime Services can be utilized by applications in order to retrieve filtered information (Metadata) from available resources such as projects, forms, or tags.

- ❖ Minimizes the additional programming efforts of the various applications and implements various logics depending on the contents of the form tag metadata.

- ❖ Dynamically creates the input data structure – Option for dynamically creating the data structure on the basis of the data tags embedded in the specific form, thus eliminating the need to update application data structures.