From Capturing to XML
Document Exchange Total Solution
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Sources of Information
Era of Internet
- All Information will go into Internet
  - e-government
  - e-business
  - e-society
  - e-citizen
- All Information should be global
  - Language Independent
  - Platform Independent
  - Software Independent
⇒ Information/Document Exchange is a MUST

Obstacles in Document Exchange
From Capturing to XML--Total Solution
- Dynalab Capture
  ⇒ Convert Paper Documents into Electronic files, then portable Document Format
- DynaDoc
  ⇒ Convert Electronic Files into Portable Document Format
- DynaForm
  ⇒ Base on DynaDoc Portable Document Format
  ⇒ Create data fields without any programming
  ⇒ Easy data input anywhere
  ⇒ Easy integration with any database
  ⇒ Can convert to HTML or XML for open standard
Functions of Dynalab Capture
- Convert Paper Documents into Image Files using Scanners
- Extract Characters from Images for further processing
- Using OCR to Recognize Characters and convert characters into Text files
- Combine Image files and Text Files to create multiple layer DynaDoc Portable Documents
- Keep original document presence while texts are fully searchable
- Electronic files are easy to archive and reuse

Features of Dynalab Capture
- Convert into DynaDoc file format after OCR
- Provide full text and key word search on document image
- Support multiple languages
- Automatic adjust screwed images
- Can handle Complicated images and form recognition
- Provide large volume batch scanning function
- Provide Boolean Conditional Search and Fuzzy Search
- Support Smart Cache to increase search speed
- Can create multiple search index
- Can dynamic assign index database
- Display either abstract or document contents after search

Functions of DynaDoc
- Platform/ Software/ Language independent
- Font embedded in Documents using patented technology
- Fully support two byte languages, keep original appearance
- Easy to use, same as using a printer
- Free and light reader, easy to get and pack
- Provide Reader plug-in for IE and Netscape
- Provide ReaderPro for document editing
- Password control for document security
- Convert to XML automatically with tree structure and data fields
  => comply with Open Standard, easy for Document Exchange

Features of DynaDoc
- Main window and sub window co-exist, friendly user interface
- Tree structured index, easy to read and manipulate
- Multiple file hypertext, make documents alive
- WWW hyperlink can easily link to related home page
- Automatic slide show, make presentation easier and smoother
- Can create data fields on DynaDoc for various application, make data input more flexible and easier
- Provide file compression, speed up document delivery
- Multiple paper size and resolution selection, enhance printing quality
- Provide APIs for application integration

**Functions of DynaForm**
- Base on DynaDoc Portable Document Format
- Fully 2-Byte support
- Data Fields can be font embed, Gaiji can be carried all along
- No need any programming, create forms quickly and easily
- Provide various field attribute, create forms more flexible
- Use free DynaDoc reader or plug-in for data input
- Data can be import or export from/into database
- Suitable for Internet / Intranet applications
- Can convert to WDL(DynaDoc), HTML or XML formats
  ⇒ comply with Open Standard, easy for Document Exchange

**Features of DynaForm**
- Make templates using any software then convert to DynaDoc
- Use DynaForm to define field attributes, no programming
- Provide various types of fields including data, tables with rows and columns, image, radio button, check box, menu bar, action button, etc.
- Multiple security level, from file to fields
- Provide sub-window to show directory of all fields
- Provide API for easy application integration

**Internet Applications: e-invoice**

**Benefits of e-invoice**

**Sample of e-invoice**

**Internet Applications: e-bill**
- Send customers electronic bills instead of paper printouts
- Deliver e-bill over internet instead of traditional mail
- Using push e-mail to send e-bills, customers can also make on-line queries anytime, increase interactivity to customers
- Customer may have choices of viewing e-bills on-line or saving to a file or printing out
- Integration with on-line payment system, customers may have alternatives to pay the bill

**Benefits of e-bill**
- Paperless bills, correspondent with “green publishing”
- Save traditional printing cost, time and labor
- Save traditional mailing cost, time and labor
- Internet delivery with time stamp, provide full stage tracking, increase delivery quality
- No additional copy printing and mailing cost
Through electronic mailing and payment, the turnover cycle could be shortened
Customers can pay on-line, no need to go to banks

**Features of e-bill**
- Using DynaDoc as the portable document format, keep original appearance of bills
- Content of e-bill can not be edited, preventing important data being changed
- Using DynaForm, layout of e-bill is very easy to create or modify, highly flexible for service intensive industries
- Data could be imported from backend billing system or extracted for further processing like payment

**Sample of e-bill (upper half)**

**Internet Applications: e-business card**
- Order business card over internet
- Select business card template on-line
- Input or edit card information on-line
- View and confirm card appearance on-line
- Using DynaDoc and DynaForm technology
- AsiaServe provide high volume high quality printing and delivery service
- Customer can get a free DynaDoc file for urgent small volume printing

**Sample of e-business card**