Image Database Catalog

Vladimir Ivanov
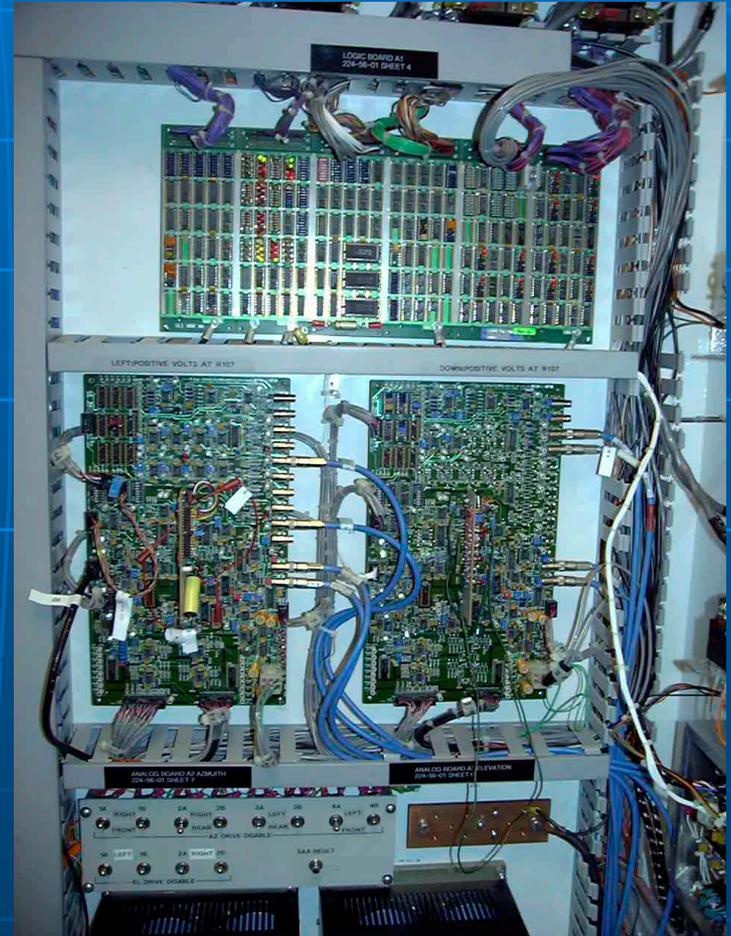
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Entertainment versus Information

Problems

- There is no substitute for visual information

- Thousands of unorganized images

- Not accessible to everyone

Database

- **Organized**
- **Searchable**
- **Time efficient**
- **Easily accessible**
- **Sorted**

Software

- DBMS – Database Management Systems

- InMagic DB/TextWorks

- InMagic DB/WebPublisher PRO

INMAGIC

How does it work?

Search Request

HTML query response

Intranet Browser
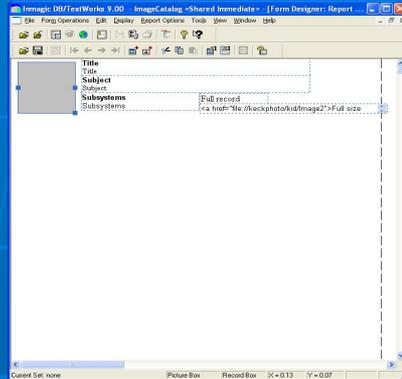
Web server running

WebPublisher PRO

Data Management
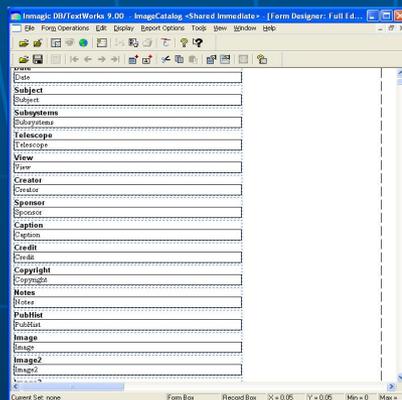
LAN Client running

DB/TextWorks

Creation Process

Report Form
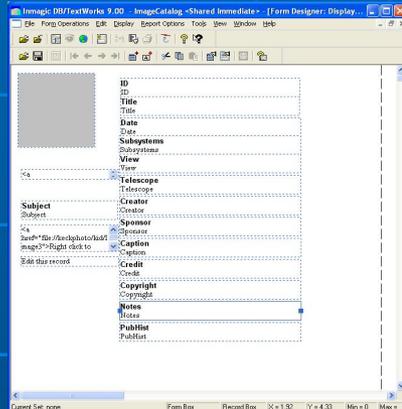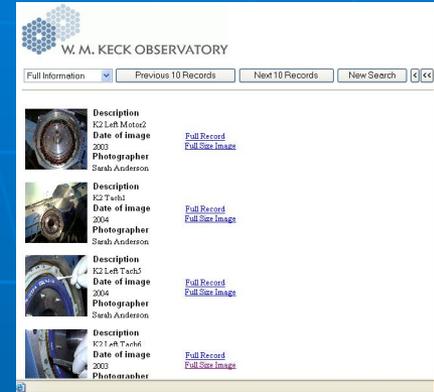
Display Form
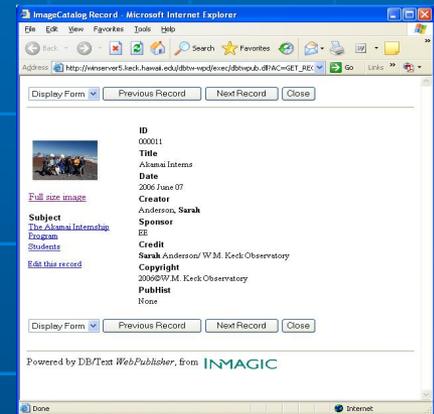
Edit/Submit Form
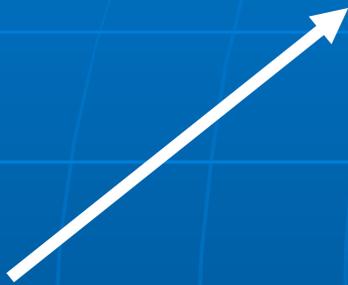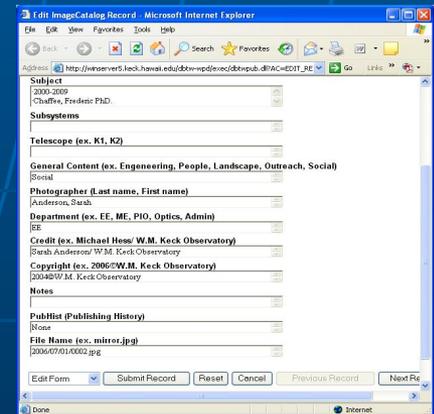
Query Screens

Keyword search   Advanced search
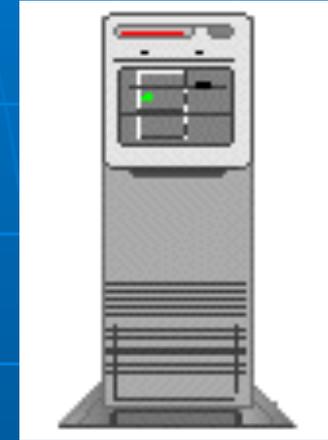
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Import Process

- One record at a time
- Web importing
- File import

Good to go?

Solution

- Thumbnails

- Script

```
#!/bin/sh

destination='K:/2006/07/11/'
counter=1

if [ ! -d $destination ]; then
        mkdir $destination
        echo 1 > $destination/lastnumber.txt
else
        counter=`cat $destination/lastnumber.txt`
fi

ls t*.JPG | while read source
do
        filename="$destination/$counter.jpg"

        cp $source $filename

        jpegtopnm.exe $source | pamscale -xyfit 100 100  | pnmtojpeg.exe > $destination/${counter}_t.jpg
 echo   cp $source $destination/${counter}_t.jpg

counter=`expr $counter + 1`

echo $counter >  $destination/lastnumber.txt

done
```
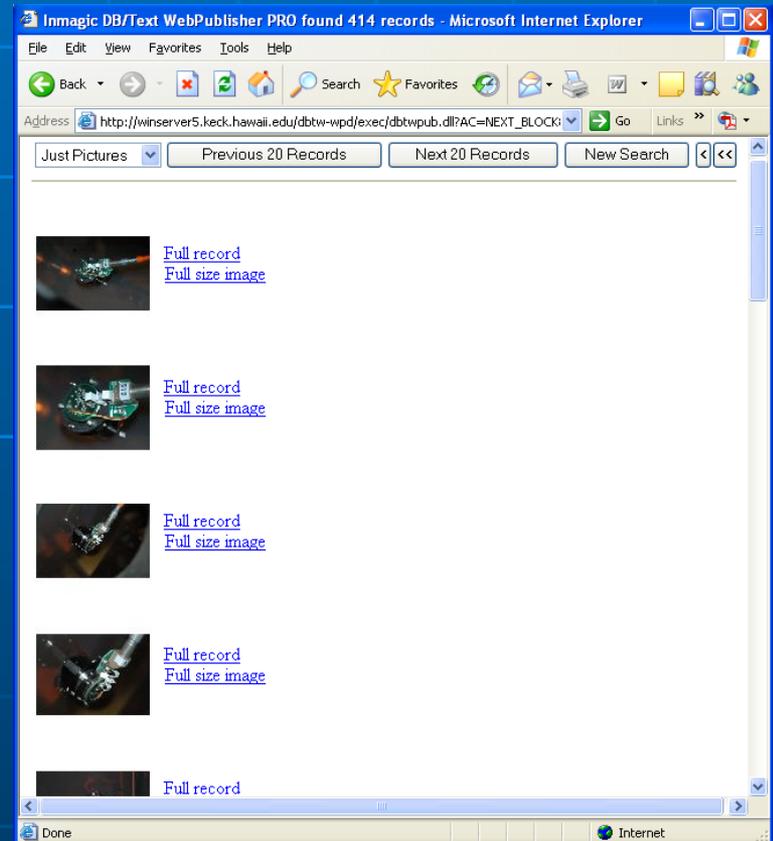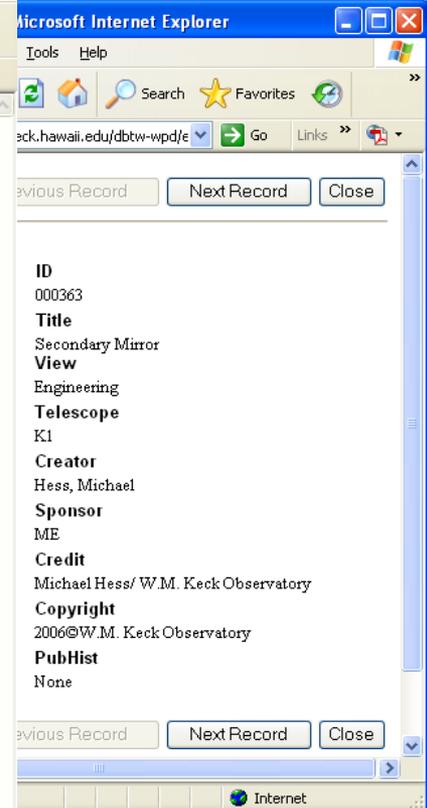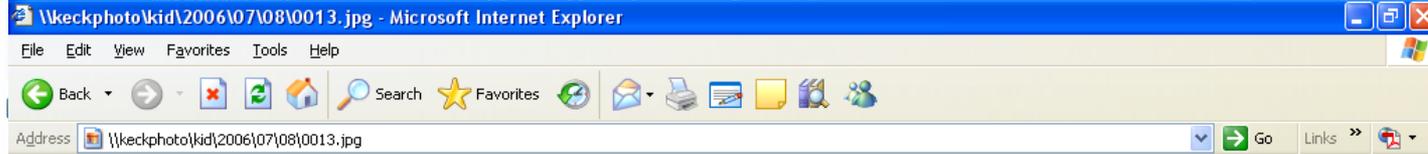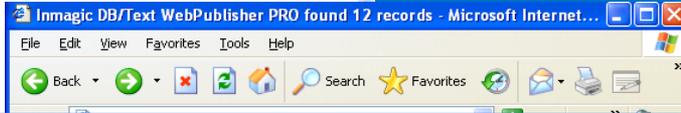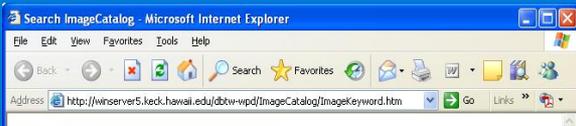
The Database

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- Shui Kwok
- Sarah Anderson
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- W.M. Keck Observatory
- University of Hawaiʼi at Hilo