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IPRO 347 Final Presentation

Subject: Developing a document control system

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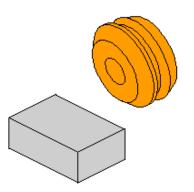
Introduction





IPRO 347

- Abrasive-Form is a multimillion-dollar contract manufacturer specializing in creep-feed grinding
- Principal customers are the industrial Gas Turbine and the Aerospace industry
- Company has been growing since 1976





Problem Statement

- Keeping track of the customer projects with folders
- Growing company => Problems with information management
- Company has a hard time finding the information
- Time consuming and takes a lot of space



Abrasive-Form Requirements

- Main Goal : Replace current physical document storage system
 - Principal Criteria:
 - Real time updating
 - Simple and easy to use
 - Software features:
 - Scan the documents
 - Administrator and user control
 - Search Engine



Abrasive-Form Requirements

- Software features:
 - Has sub-folders
 - Time stamps
 - Comment logs
 - Off-site backup
 - Email alerts/alarms
 - Remote Access



Goals of this IPRO

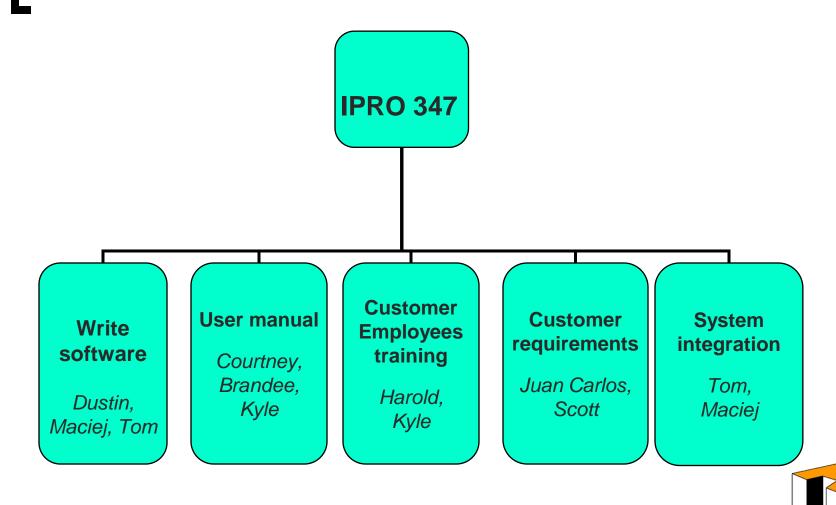
- Using state of the art software to propose a customized online storage system:
 - Efficient solution
 - Minimum cost
 - Very Simple to use
- Reducing time spent and space used
- Broadcast the information to all the employees



Phases

- Phase 1 (Summer 2008): Interviewed company personnel and analyzed the situation.
 - Result: Selection of Microsoft SharePoint to be implemented as company file archiving system. Initial prototype produce.
- Phase 2 (Fall 2008): Implement the SharePoint Solution
 - Complete the software solution
 - Develop the user manual
 - Train company personnel in SharePoint use,

Team Organization



Work Distribution

How did we manage to **customize** the software?



SharePoint

- Pros
 - Comes with most Windows servers
 - Easy to use
 - Powerful engine



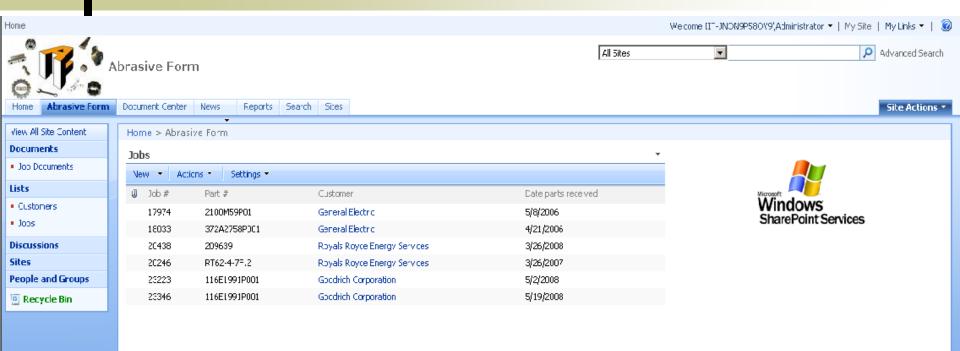
SharePoint

Cons

- Extra firewall is necessary for remote access
- Must have Windows Server 2003



SharePoint interface

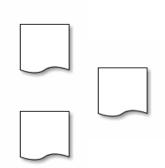


Data Input



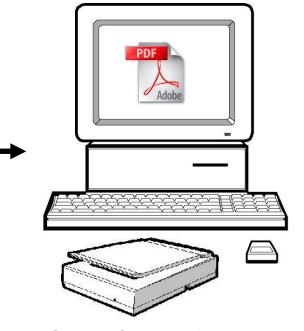
Job Folder

Contains many documents



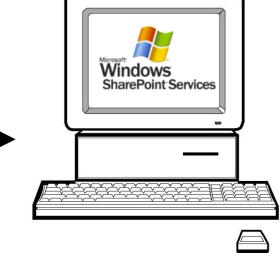
Documents

- Job traveller
- Shipping
- Purchasing
- Inspection Sheets



Scanner/Workstation

Librarian converts docs to PDF format

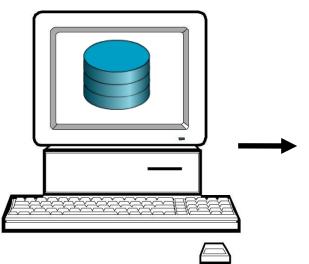


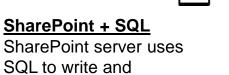
SharePoint Server

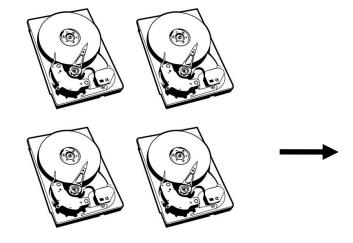
Digitized docs are sent over the company network to a central server



Storage







Storage Area Network Documents stored locally on the server. More space available with SANs. retrieve data

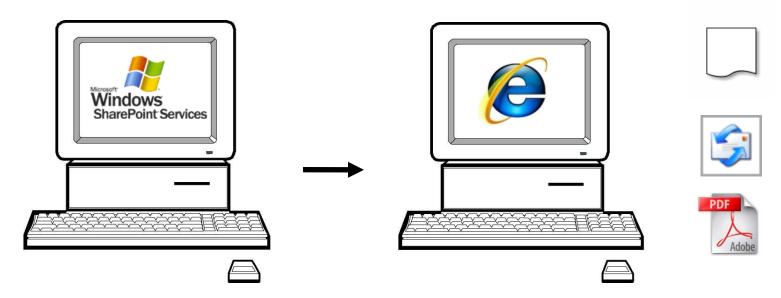




Offsite Backup Electronic job docs may be backed up online



Data retrieval



SharePoint Server

Documents available in electronic job folders, on a website visible to the VPN only

End User

From SharePoint, employees can:

- Print docs
- Send docs as email
- Annotate docs on the server
- •More?



Results

- Completed SharePoint Template
- Recommendations to Customer:

Storage

Security

Scanning Hardware



Work Distribution

How did we manage to **create** a User Manual?



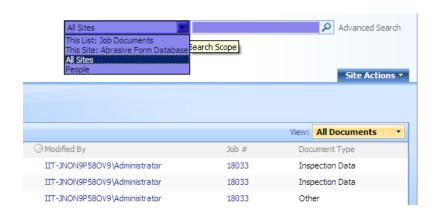
User Manual

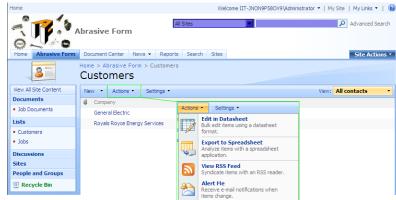
- Objectives
 - To create a user friendly manual that is easy to read and understand
 - Organized for either regular users or administrator users



User Manual

- The user manual utilizes screen shots
- Easy to understand descriptions







User Manual

- 25 copies given to customer
- Electronic copies delivered to customer



Work Distribution

How did we manage to **train** the company?



Training

- Follow format of the User Manual
- Utilize Multiple Screen Shots
- Help Employees understand structure of SharePoint





Training

- Interactive session at end of each presentation
- Help teach navigation of site to employees
- Overall success



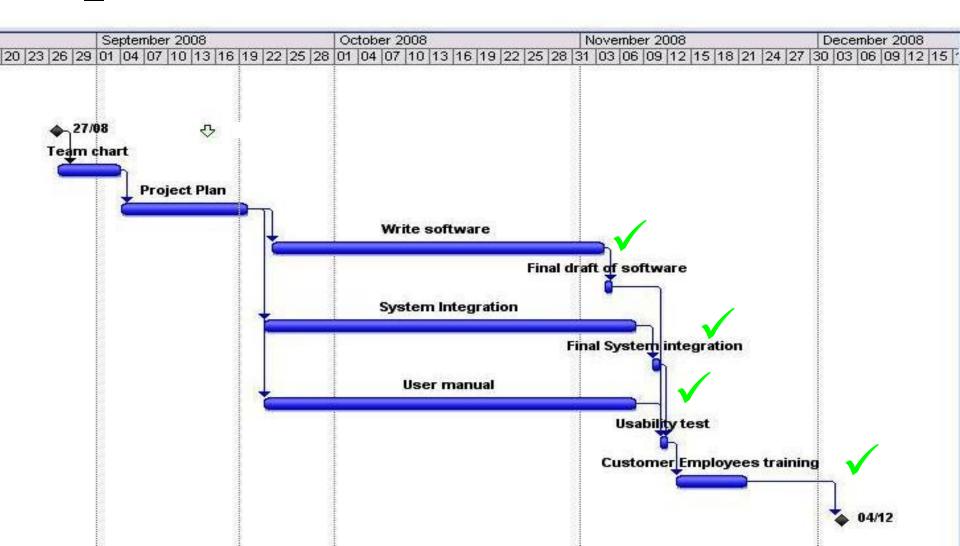


Work Distribution

How did we manage the project?



Project Plan



Obstacles

- Coordinating with Company
- Establishing Test Server
- Majority of the team not familiar with programming



Looking Ahead

- Some of the IPRO members will stay in contact with the company if any implementation problems comes out :
 - Krolikowski Maciej (Summer IPRO + Part of the software team)
 - Barksdale Dustin (Software team + Major in Computer Science)
 - Lewis Phil (Teacher Responsible)



Team Ethics

- A confidential agreement was signed for the IPRO (Summer + Fall 2008)
- The team's Ethics Plan stresses respecting the nondisclosure agreement with Abrasive-Form®
- Disclosing information about Abrasive-Form® could cause the team to aquire biased information



Results for the company

- Fulfilled their expectation regarding the software template
- Impressed with the employee training and the quality of the user manual
- Overall, Very Satisfied with the IPRO Team

Happy Customer = Successful IPRO



Results for the IPRO team

Learned business world experience

 Learned how to deal with a real customer

 Allowed us to apply our skills to a real world problem.



Acknowledgements

Greg Zilinsky, Manager of Strategic Programs, Abrasive-Form Inc.

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Thank you for your attention!



Any questions?

