

# SYSTEM FOR ASSET MANAGEMENT IN PATHWAY COMMUNICATIONS

- PRESENTED BY SZ TEAM:
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# Pathway Communications



- a Canadian Internet service provider (ISP)
- located in **Markham, Ontario**
- a part of Pathway Group, has 4 other sister companies
- provides Internet service, telephone service, IT solutions, and IT business outsourcing.
- consists of accounting, IT, sales, provisioning, sales, customer support, application development and networking departments



# Problem

- PC's accounting team is in charge of all assets of the five companies, mainly through paperwork.
  - Frequently receives requests for large amount of assets
  - Information flow is extremely complex and data loss is very often
  - Result:
    - Employee fraud vulnerability
    - Assets loss during transaction between companies
    - Dirty assets' status leads to unnecessary operation costs

# Requirements

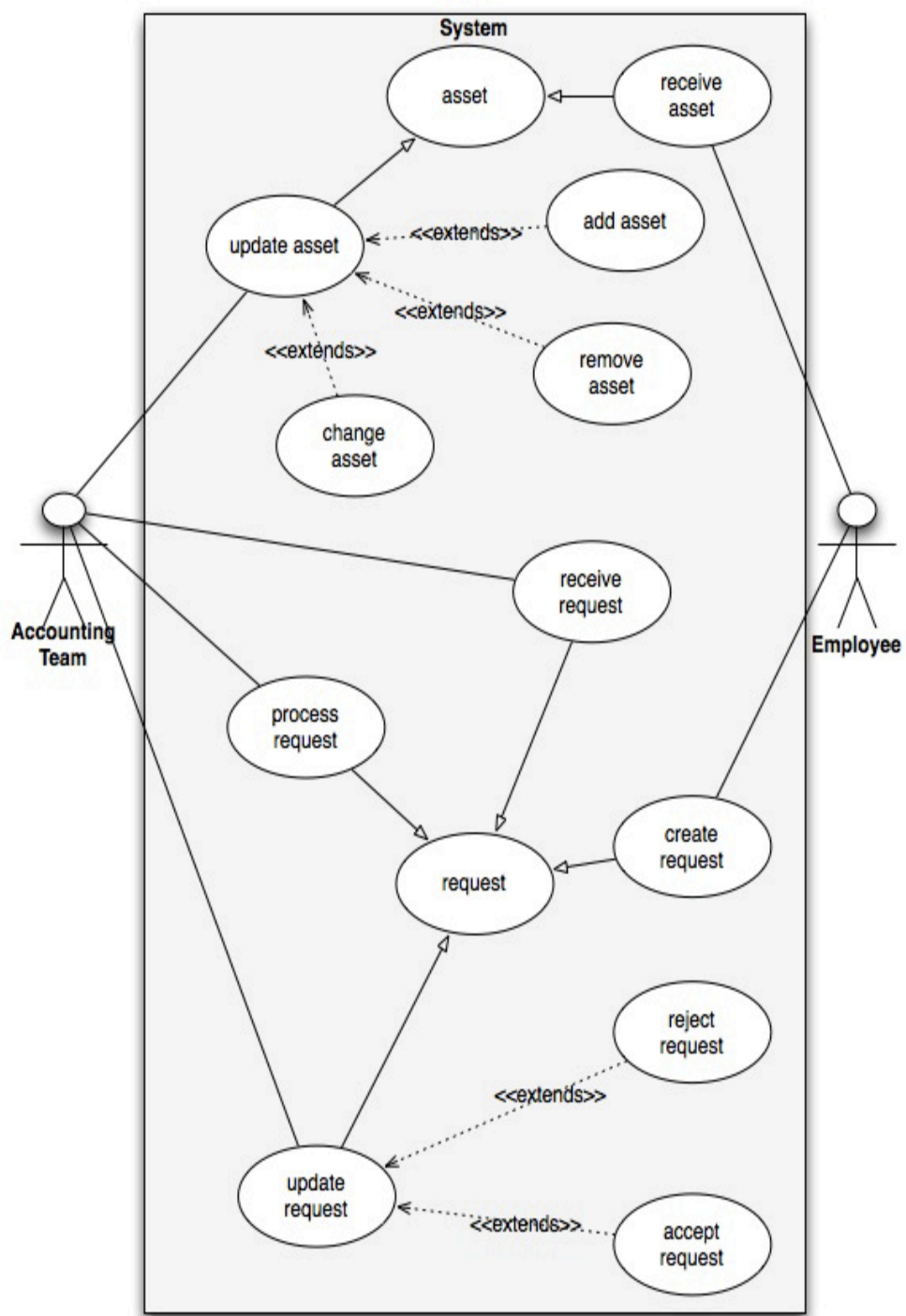
- Functional
  - Keep track of all assets' status, whether it is damaged, lost, or in good condition
  - Transfer assets though different sister companies
  - Add, remove or update assets within the system
  - Record and proceed all asset purchase requests within the system
- Non-functional
  - Access control
    - System Administrators (accounting team member) have full access to all functions of the system, while being monitored by team leader
    - Other employees can only raise requests of purchasing assets
    - Head of the company have access to all transactions
  - Data correctness
    - Resistance
    - to unauthorized changes to assets or requests status

# Hardware



Server-side Hardware Requirement	
CPU	Quad Core AMD64 processor
Memory (RAM)	4 GB minimum
Free disk space	8 GB minimum

Client-side Hardware Requirement	
CPU	Core duo 1.6 Ghz (or higher) or equivalent compatible processor
Memory (RAM)	2 GB minimum
Free disk space	2 GB minimum
Operating System	<ul style="list-style-type: none"><li>•Windows 7 32 bit (recommended)</li></ul>
Prerequisites	<ul style="list-style-type: none"><li>•Visual C++ 2005 SP1 ATL Security Update Redistributable</li><li>•Microsoft .NET Framework 3.5 (SP1) Microsoft Office 2007 (SP2)</li></ul>



# Software Interface

Asset managing system v1.0

User name:

Password:

[login](#)

developed by sz team



# Software Interface

## Asset managing system v1.0

Make a request

View requests

View assets

ID	Brand	Model	Price	Quantity	Created By	Status	Creation Date
256	Dell	XYZ	1000,00	1	123456	Approved	2010/11/19

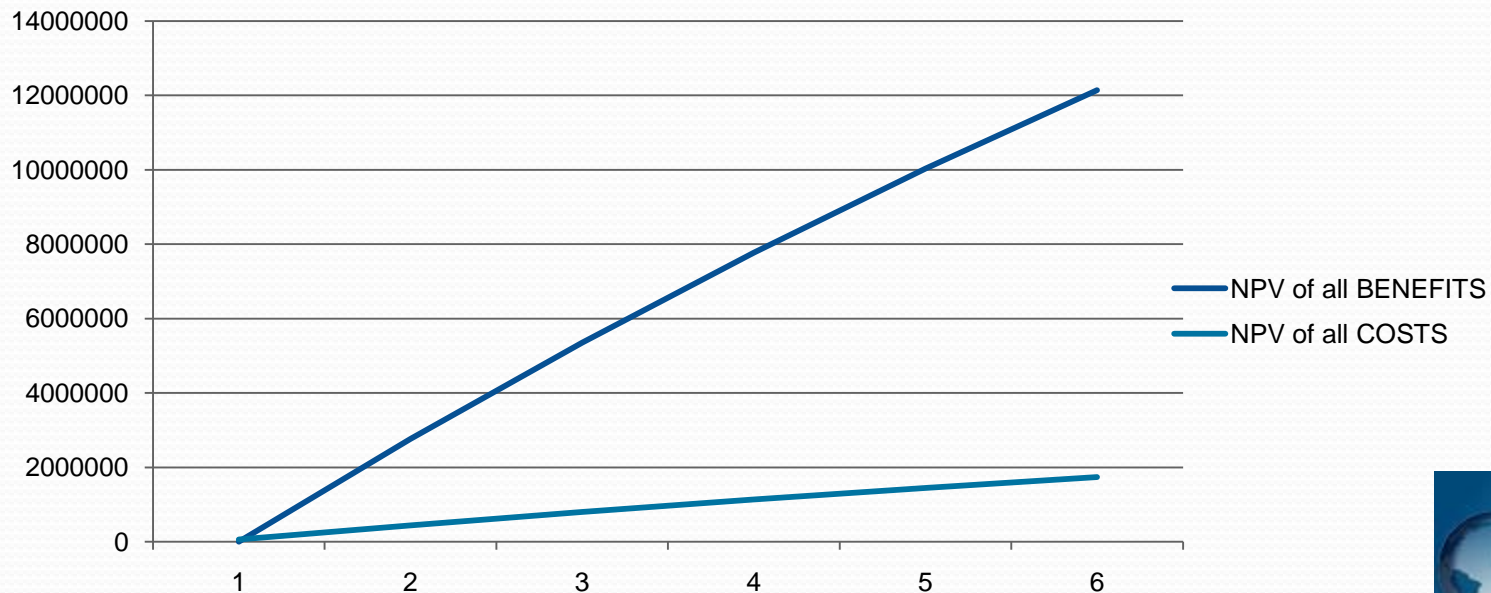
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Cost-Benefit - INFO VALUES			
Hardware	\$0	System will be running on existing server	
Software	\$0	No additional software is required	
Development team salaries	\$50,000	\$50hr for 4 weeks and 4 people + ealry finish bonus	
Training	\$10,000	For 10 days training	
Total Development Cost	\$60,000		
Hardware	\$15,000	Purchased 10 computers and 1 server.	
Software	\$0		
Operational Labor	\$395,200	Salaries per year	
Total Operational Cost	\$410,200		
Salary savings	\$39,000	on 6 office assistances who keeps all paper records of the assets	Assume on Average an Asset worths \$1000
Lost Asset Reduced	\$2,500,000	Assuming 10% of Assets are Lost during transaction before the system was implemented	Assumen Total Asset = 25000
Unnecessary Asset Purchase	\$400,000	Assuming 10% of Asset Purchase is detected as unnecessary after the system was implemented	Assume Totol Asset Purchase Request = 4000/year
Reduced operating cost	\$22,000		
Total Benefit	\$2,961,000		
Discount Rate Used	7.00%		

# Break-even analysis

B-E Analysis Over 5 Years:	0	1	2	3	4	5
NPV of all BENEFITS	0	2767290	5353542	7770600	10029533	12140685
NPV of all COSTS	60000	443364.5	801649.1	1136494	1449434	1741901





Easy to Use

Secure

Timesaving

# Thank You !