My Digital Life – MyStuff

TECHNICAL PERSPECTIVE

Introduction

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Outline

- Business Background
  - Issues with Old System
- Proposal
  - Schedule
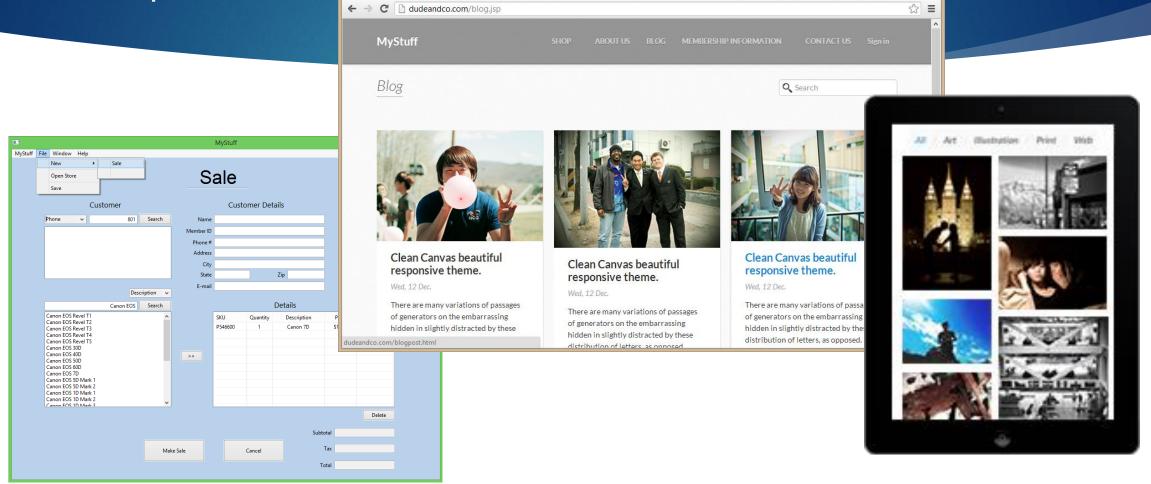 - Cost Benefit Analysis
- Architecture of New System
- Demos

Business Background

- Problems
  - Paradigm Shift
    - The Transition From Film to Digital
  - Branding
    - Apple vs. JC Penney
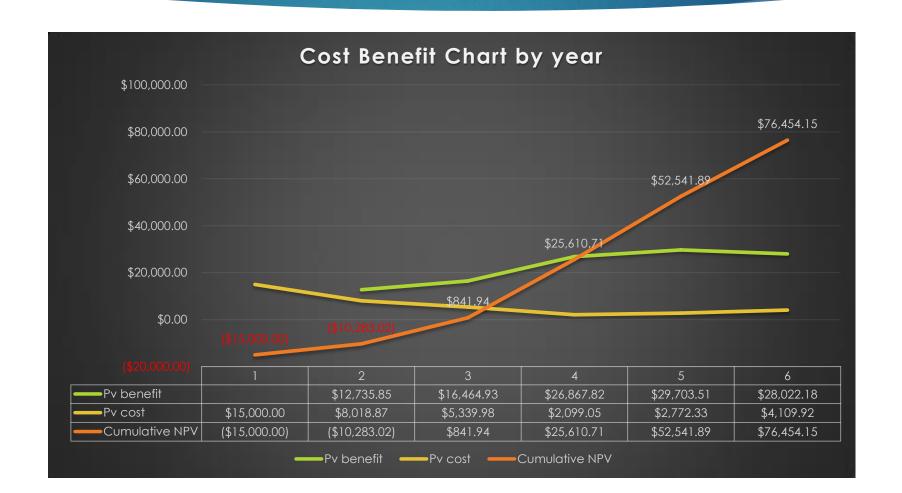 - Lacks Automation
    - No System Supporting Documents

Proposal

Cost Benefit Analsis

Cost Benefit Chart by year

	1	2	3	4	5	6
Pv benefit		$12,735.85	$16,464.93	$26,867.82	$29,703.51	$28,022.18
Pv cost	$15,000.00	$8,018.87	$5,339.98	$2,099.05	$2,772.33	$4,109.92
Cumulative NPV	($15,000.00)	($10,283.02)	$841.94	$25,610.71	$52,541.89	$76,454.15

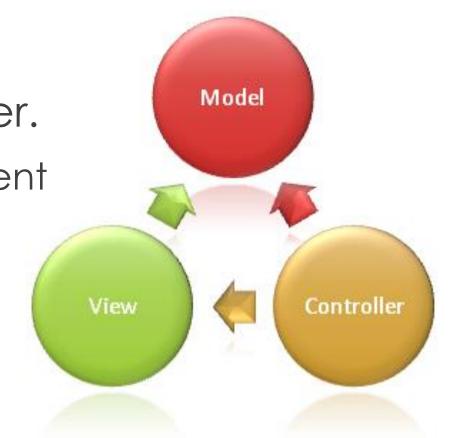Pv benefit — Pv cost — Cumulative NPV

System architecture

- MVC
- Cache
- Date Access Object
- Business Object
- Office vs. Web vs. Mobile

MVC

- Makes both interface and data design independent of one another.
  - Allows for data to be used with different views
  - Promotes good task defining

Cache

- Stores business objects retrieved from DB
  - Reduces load on DB
  - Reduces errors and access time
- Removes data from cache:
  - Data is altered
  - Data is unused

Data Access Object

- A DAO class that has exclusively rights in handling data going to and coming from the database.
  - Creates standard through out the program for writing to the database
  - Ensures all information is protected and being updated correctly

Business Object

- Java Abstract Class Between Software and Database
  - Used For Three Things
    - Dirty – Mark when an object is changed
    - isAlreadyInDb – New object creation/object read
    - Business Object Field Interface – what goes in/what doesn't

Web. Vs. Mobile vs. Office

- Web
  - Online Purchases
  - Blogging
- Office
  - Maintenance (products, employees, stores)
  - Sales System
  - Rentals
  - Batch Systems

- App
  - Backup of Pictures Through Upload
  - Views Pictures
  - Shares Pictures with Friends
  - Purchase Prints

DEMO