Legacy System Replacement

What is a ‘Legacy System’?
Definitions:

- Legacy: (adjective) “denoting or relating to software or hardware that has been superseded but is difficult to replace because of its wide use”
- System: (noun) “An ordered manner; orderliness by virtue of being methodical and well organized”

Description: (Source Wikipedia) *In computing, a legacy system is an old method, technology, computer system, or application program, "of, relating to, or being a previous or outdated computer system," yet still in use. Often referencing a system as "legacy" means that it paved the way for the standards that would follow it. This can also imply that the system is out of date or in need of replacement*

Ripose Training

Legacy System Replacement

Every business large or small has some form of 'legacy system'. In most cases they are silo systems linked together by exporting data from one and importing the data into another. These can be:

- A manual set of documents and templates
- A fully functioning computer system

Either way the documentation describing any of the legacy system is outdated and the people responsible for this are either no longer working for the business or are due to retire.

The question is: What needs to be done in order for the business to continue to survive?

Legacy System Replacement

The answer to the last question is:
Plan to replace them!

To achieve this in the most efficient and effective way you will need to undertake the following steps:

1) Document the two business components
   - Business-centric
   - Technology-centric
2) Documenting the existing database (silo) structures
3) Develop a migration plan between the two
4) Develop the new integrated systems
5) Migrate the data
6) Train business operatives to use the new integrated systems

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Documenting the two Business Components

1. Utilise the capabilities of well trained Information Architects to limit, differentiate, integrate and focus each an ever one of the following:
   - Business-centric:
     - Grade 1 – Objectives
     - Grade 2 – Knowledge
     - Grade 3 – Strategies and Project Management
   - Technology-centric
     - Grade 4 – Attributes
     - Grade 5 – Logical Data
     - Grade 5 – Applications
2. Use an intelligent Information Repository like Caspar to manage all the objects mentioned above

Reading material: The secret to my success

Documenting the two Business Components

Alternative approaches

There are literally hundreds of approaches which could be used but everyone of them does not have a guide to deliver the most cost effective or the productivity efficiency of using the Ripose Technique.

These include:
1) Enterprise Architecture
2) Agile
3) Systems Thinking
4) Design Thinking
5) Architecture Thinking

The failure of these has been well documented

Reading material: Approaches Report Card

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Documenting the existing database structures

1. Utilise the capabilities of an experienced Database Administrator
2. Use an intelligent integrated Information Repository like Caspar to document the data base designs of the current silo Legacy Systems. These will provide the Pseudo Code designer with the capability to develop migration programs to create the integrated databases of the future

See Lecture 18

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Migrate the data

Use the Pseudo code design modules of Caspar to develop the functions to migrate the data across.

This will be a one time job.

Train business operatives

Training material will need to be developed using the material from:

- Business-centric concepts
  - Objectives
  - Strategies
- Technology-centric logic
  - Applications

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