

**MICHIGAN STATE**  
**UNIVERSITY**

**Alpha Presentation**  
**Information Technology**  
**Assessment Toolkit**  
**The Capstone Experience**

**Team IBM**

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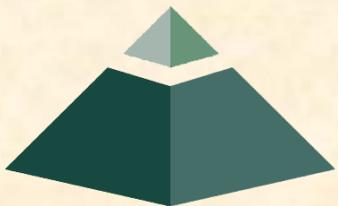
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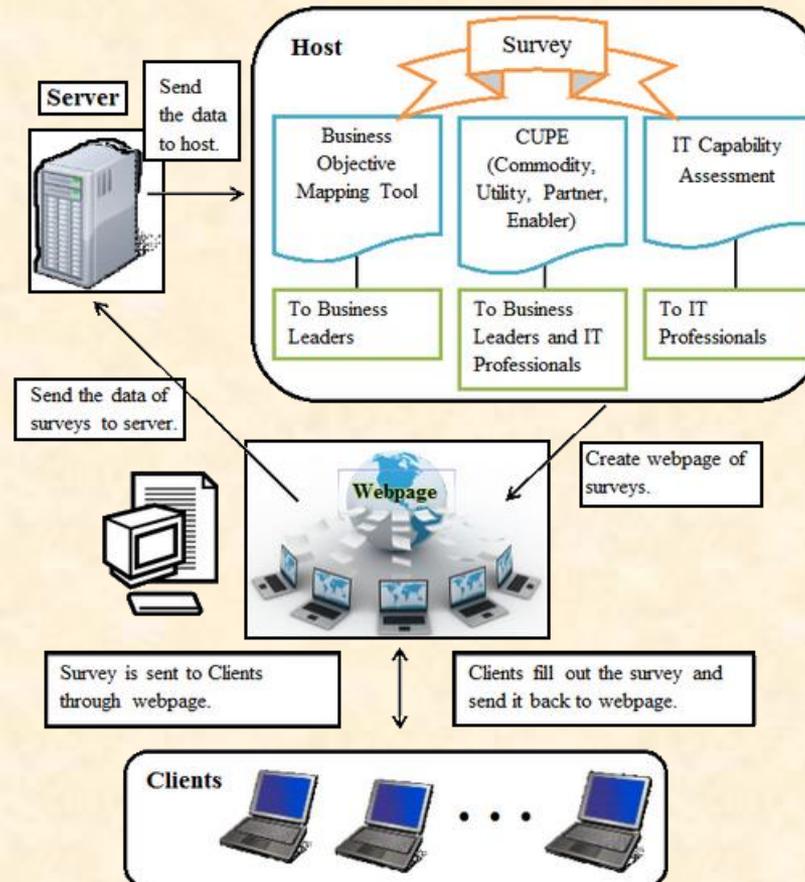
*From Students...*  
*...to Professionals*

# Project Overview

- IT Consulting Toolkit for helping clients to prioritize their IT projects
- Gathering client information
  - Present vs. Future State
  - Analyze Gaps and Issues
- Recognize Trends Across Multiple Clients
- Three Main Tools:
  - BOM (Business Objective Mappings)
  - CUPE (Commodity, Utility, Partner, Enabler)
  - IT Capability



# System Architecture



# Business Optimization Tool (BOM)

The screenshot displays the BOMTool application window. The main area is a grid of tasks categorized by functional areas. The tasks are as follows:

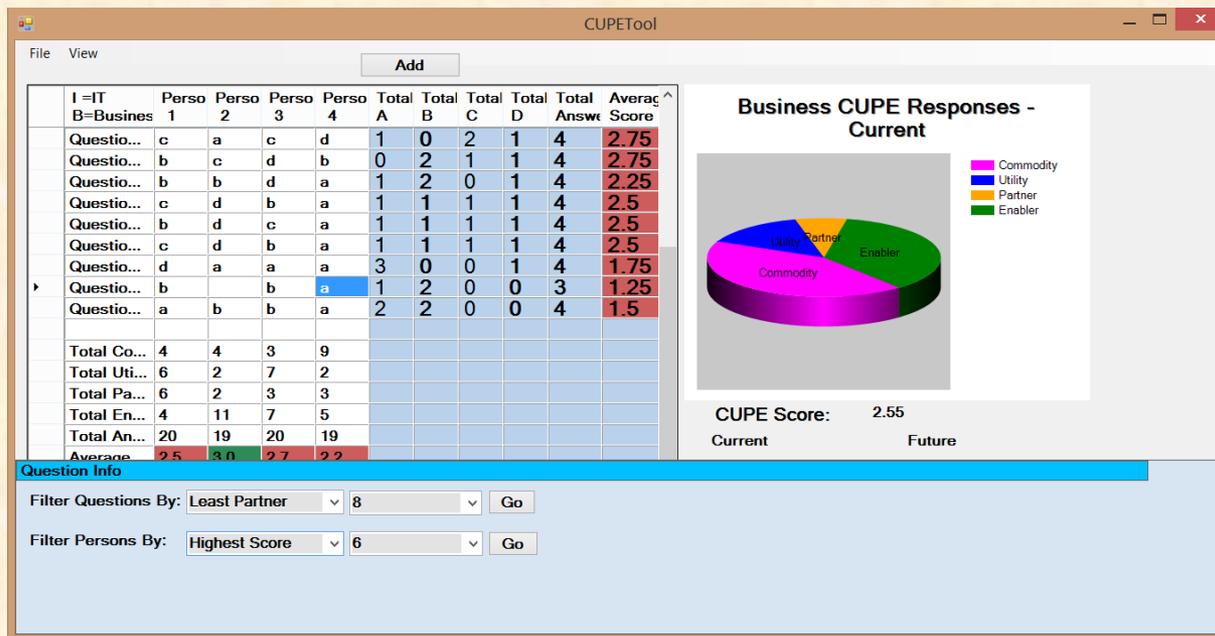
Product	Growth	Business	Security	Management	
Growth Through Innovation		Trade Management		Marketing	Social Media
Business Planning	Develop Profitability Measu	Connect With Customers	Utilize Social Media		
Innovative Production Sys	Disciplined Pricing				
Stores		Shipping			
Update Store Policy	Optimize Shipping Routes				
Create New Purchase Sys	Update Scheduling System				

On the right side of the interface, there is a control panel with the following elements:

- Three radio buttons:  View Effectiveness,  View Criticality,  View Differentiation
- Three dropdown menus: Product, Shipping, and Update Scheduling
- An "Add" button
- Buttons for "Create", "Input Data", "Email", and "Open"



# IT Provider Relationship (CUPE)



# IT Capability Assessment (ITCap)

The screenshot displays the ITCapTool application window. The title bar reads "ITCapTool". The menu bar includes "File", "View", "Insert", and "ChangeDefaults".

The main interface is divided into two primary sections:

- Table Section:** A table with three columns: "Capability", "ID", and "Default". The table contains the following data:

Capability	ID	Default
Hardware	1	<input checked="" type="checkbox"/>
Faster Systems	1.1	<input checked="" type="checkbox"/>
Comfortable Chairs	1.2	<input checked="" type="checkbox"/>
Software	2	<input checked="" type="checkbox"/>
Simpler Systems	2.1	<input checked="" type="checkbox"/>
Fastware Data Access	2.2	<input checked="" type="checkbox"/>
Customers	3	<input checked="" type="checkbox"/>
Easy To Use Support	3.1	<input checked="" type="checkbox"/>
Multiple Sources For Help	3.2	<input checked="" type="checkbox"/>
Employees	4	<input checked="" type="checkbox"/>
Smarter People	4.1	<input checked="" type="checkbox"/>
Better Training	4.2	<input checked="" type="checkbox"/>
*		<input type="checkbox"/>
- Control Panel Section:** Located on the right side, it includes:
  - A "button1" button at the top.
  - An input field containing the text "Employees".
  - A "+Dom" button.
  - A "+Cap" button.
  - An input field containing the text "Better Training".
  - A "+Question" button.
  - An empty input field.
  - A list box containing the following items:
    - Hardware :: 1
    - Software :: 2 (highlighted in blue)
    - Customers :: 3
    - Employees :: 4
  - A large empty rectangular area at the bottom.

# What's left to do?

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- Finishing Touches On Each Tool
- Implement Trend Analyzing Algorithm
- Incorporate Graphs For Each Tool
- Make It Look Pretty

