

MICHIGAN STATE
UNIVERSITY

Project Plan

Information Technology

Assessment Toolkit

The Capstone Experience

Team IBM

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

Project Overview

- IT Consulting Tool
- Gathering client information
 - Business objectives, initiatives, current, desired future state of IT environment
- Synthesizing client information to highlight potential gaps and issues
- Helping client prioritize their IT projects

Functional Specifications

- Dynamic Survey Creation
- Automatic Collection of Survey Results
- Reporting and Graphing Results
 - Gather and Synthesize Client IT Information
 - Identify Potential Gaps in Client Infrastructure
 - Prioritize Projects
- Exporting to PowerPoint

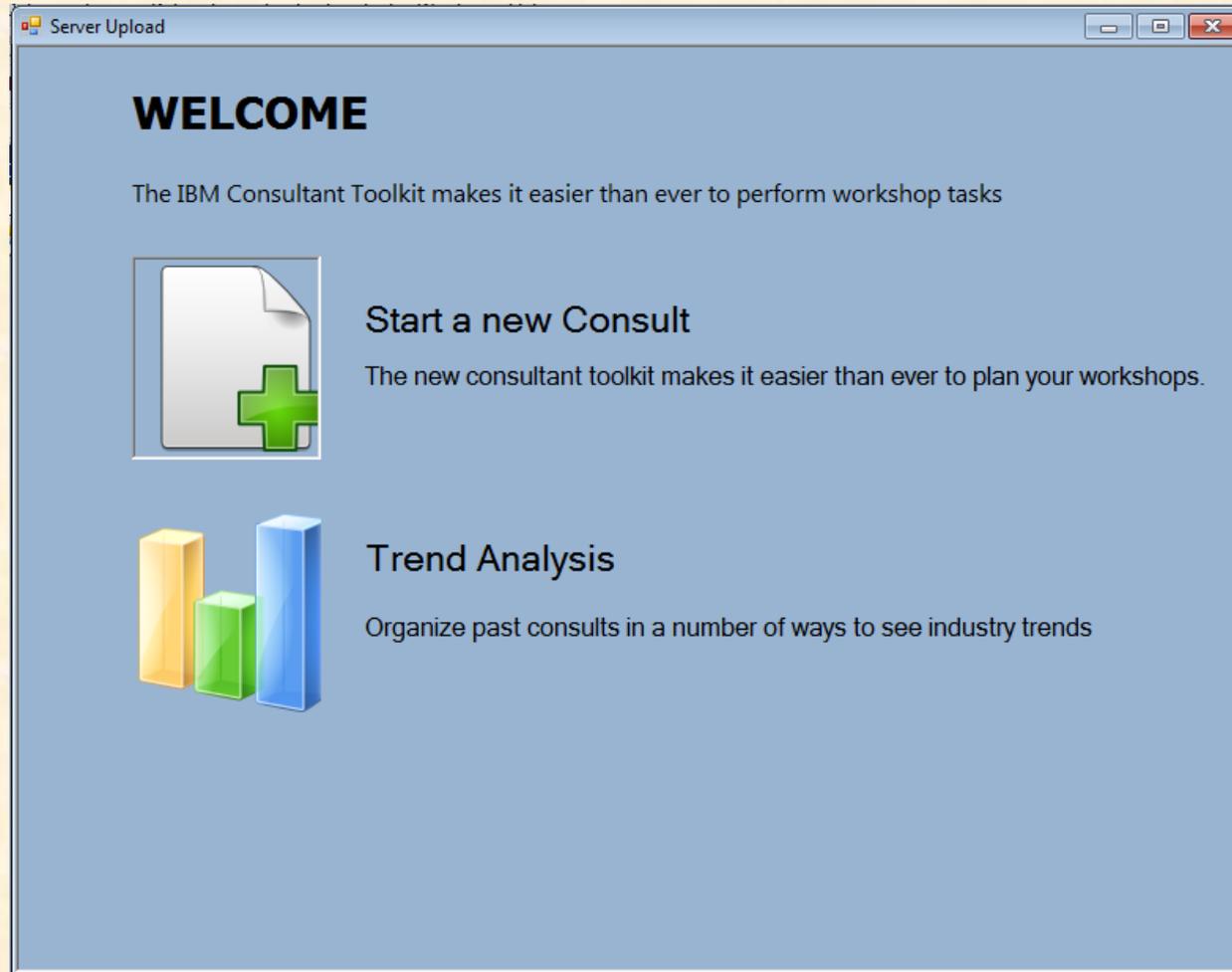


Design Specifications

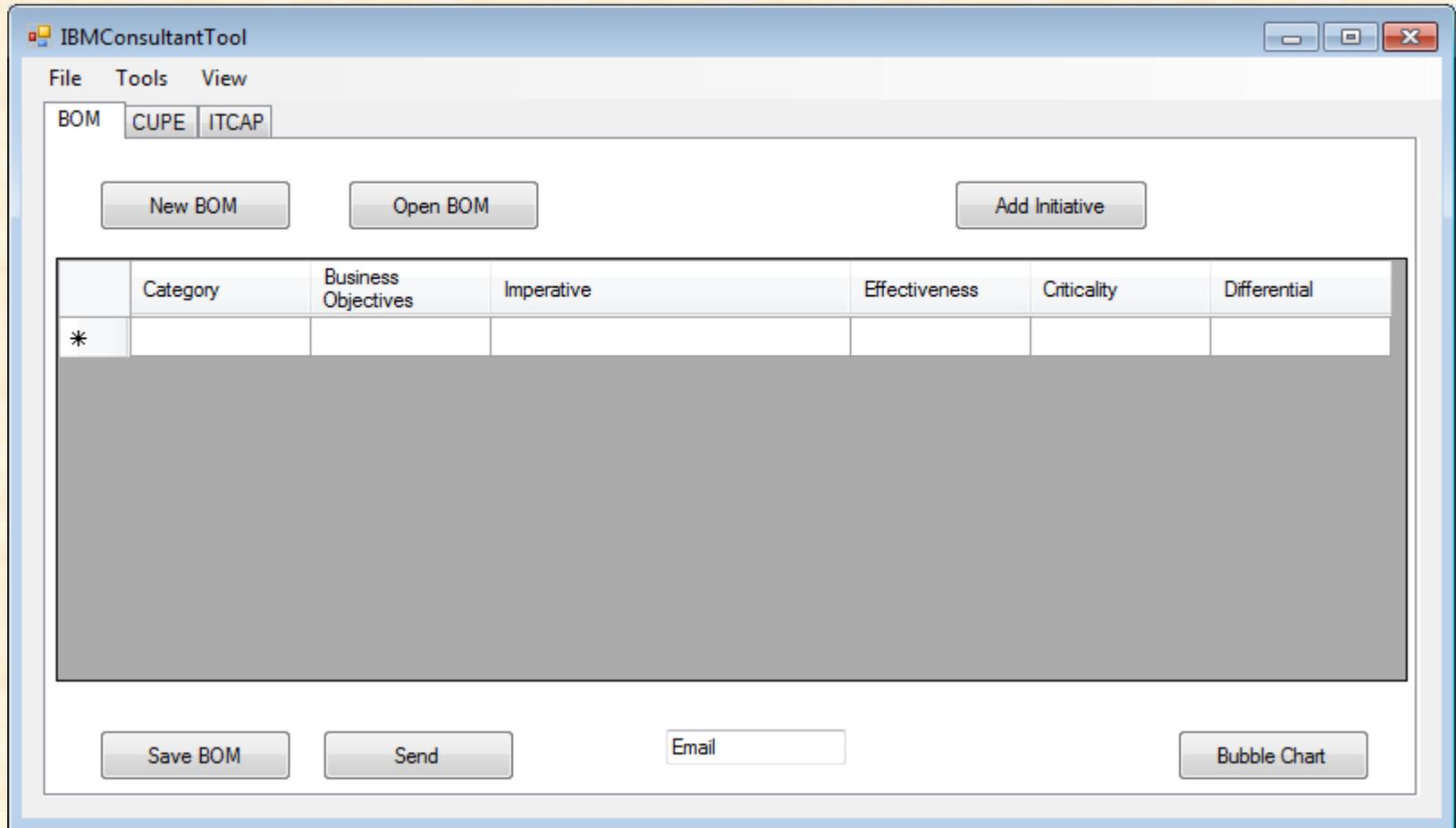
- Easy to use GUI Application
- Includes Tools that expedite consulting process
- Always Expanding Toolkit
- Sync Data from Multiple Clients to See Trend Analysis



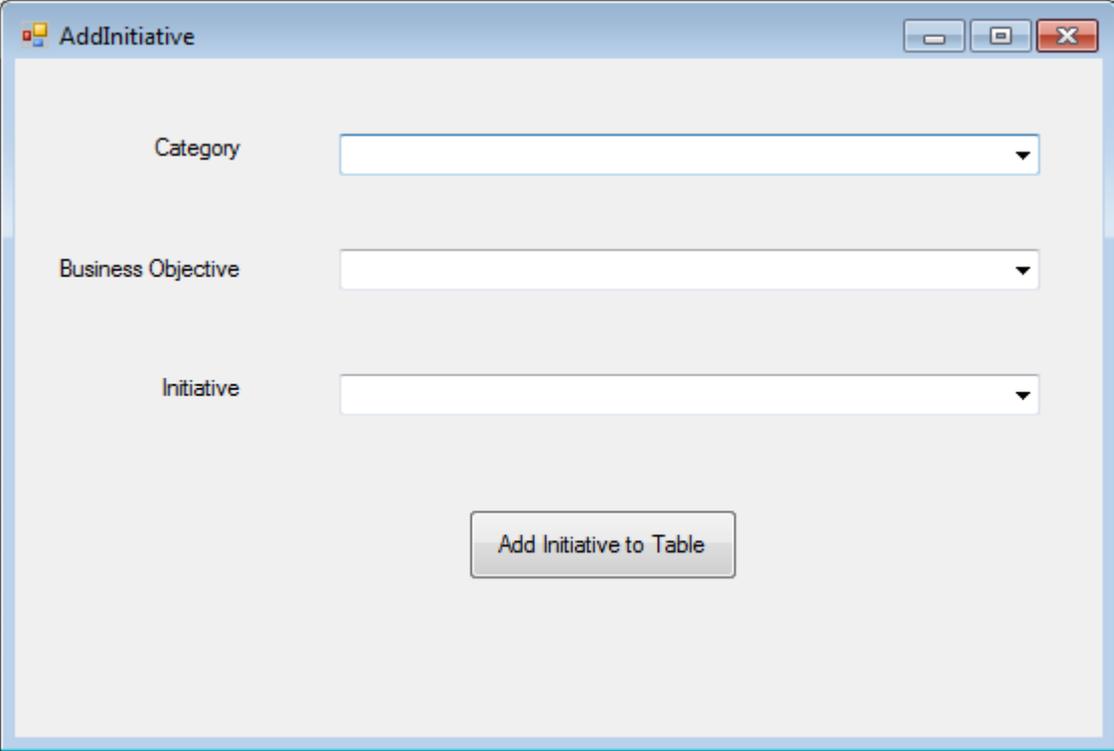
Screen Mockup: Start Page



Screen Mockup: BOM



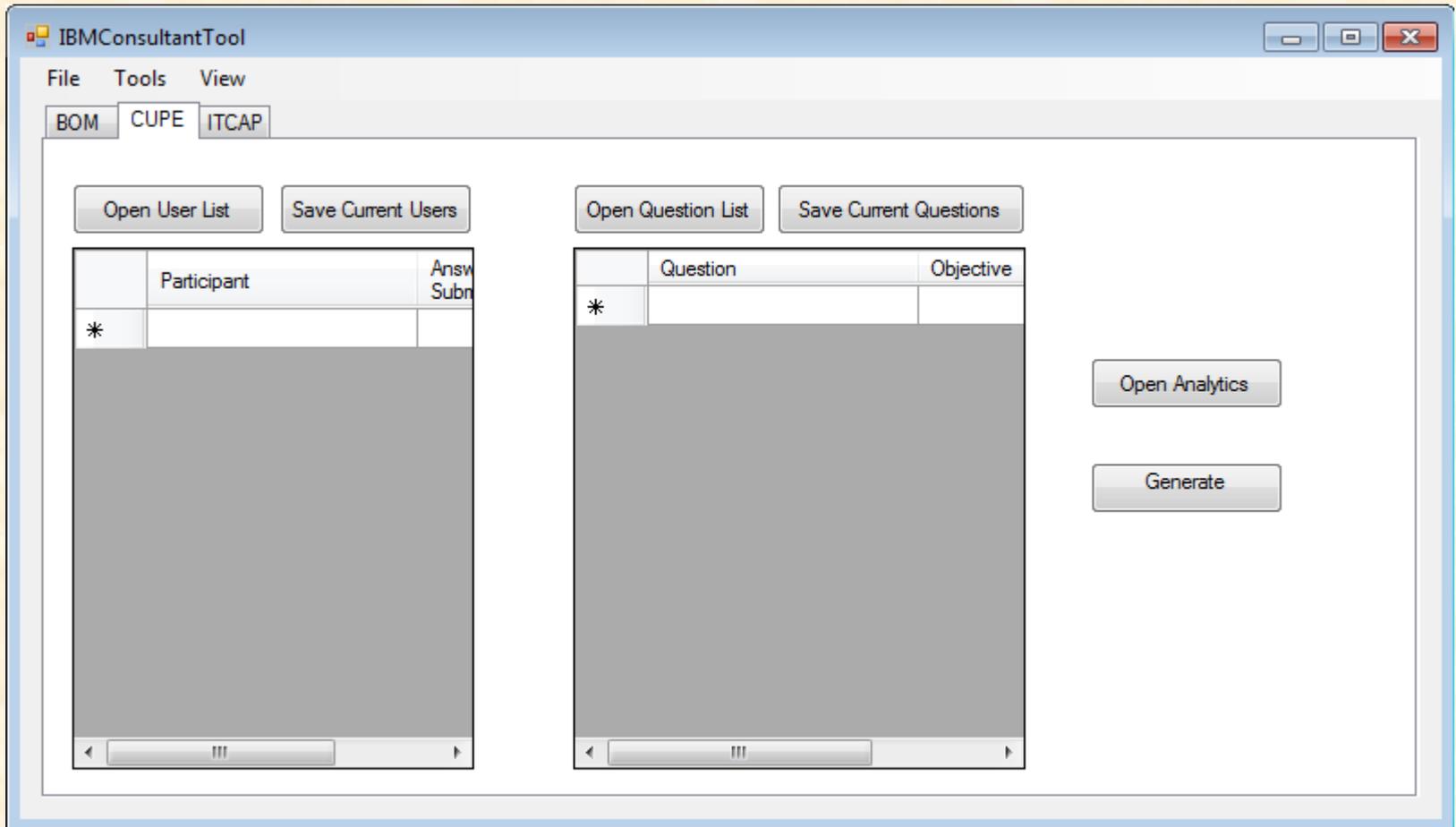
Screen Mockup: Add Initiatives (BOM)



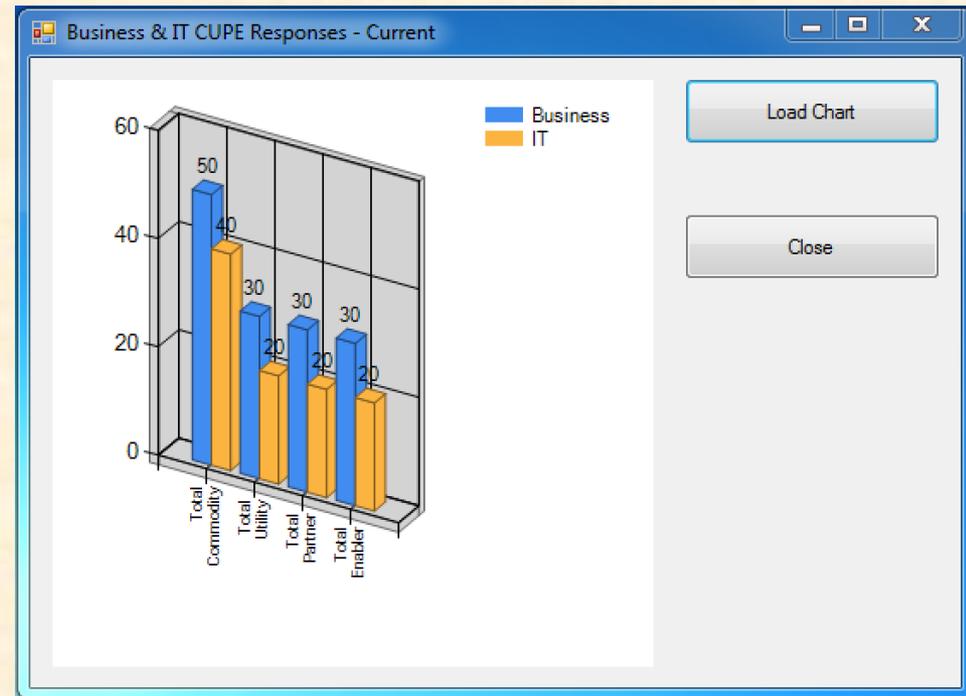
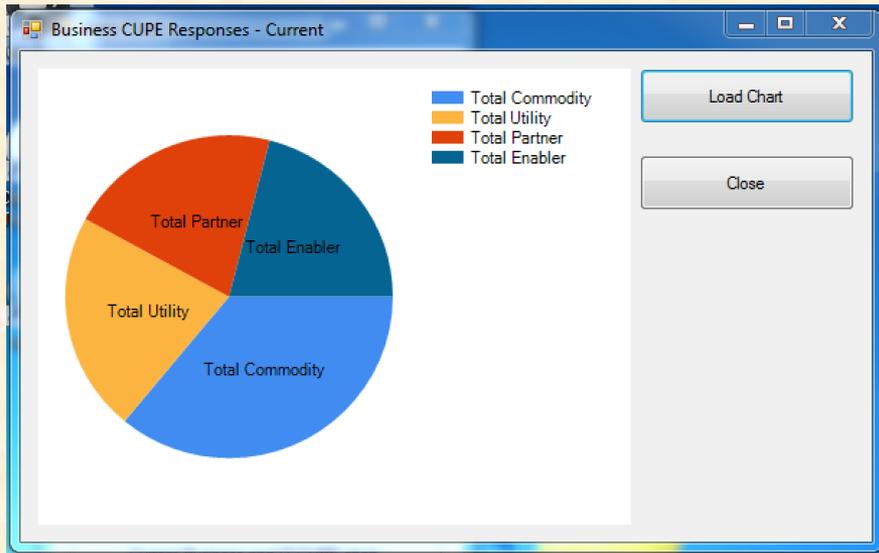
The screenshot displays a window titled "AddInitiative" with standard window controls (minimize, maximize, close) in the top right corner. The window contains three vertically stacked dropdown menus. The first is labeled "Category", the second "Business Objective", and the third "Initiative". Below these menus is a button labeled "Add Initiative to Table".



Screen Mockup: CUPE



Screen Mockup: CUPE Graphs

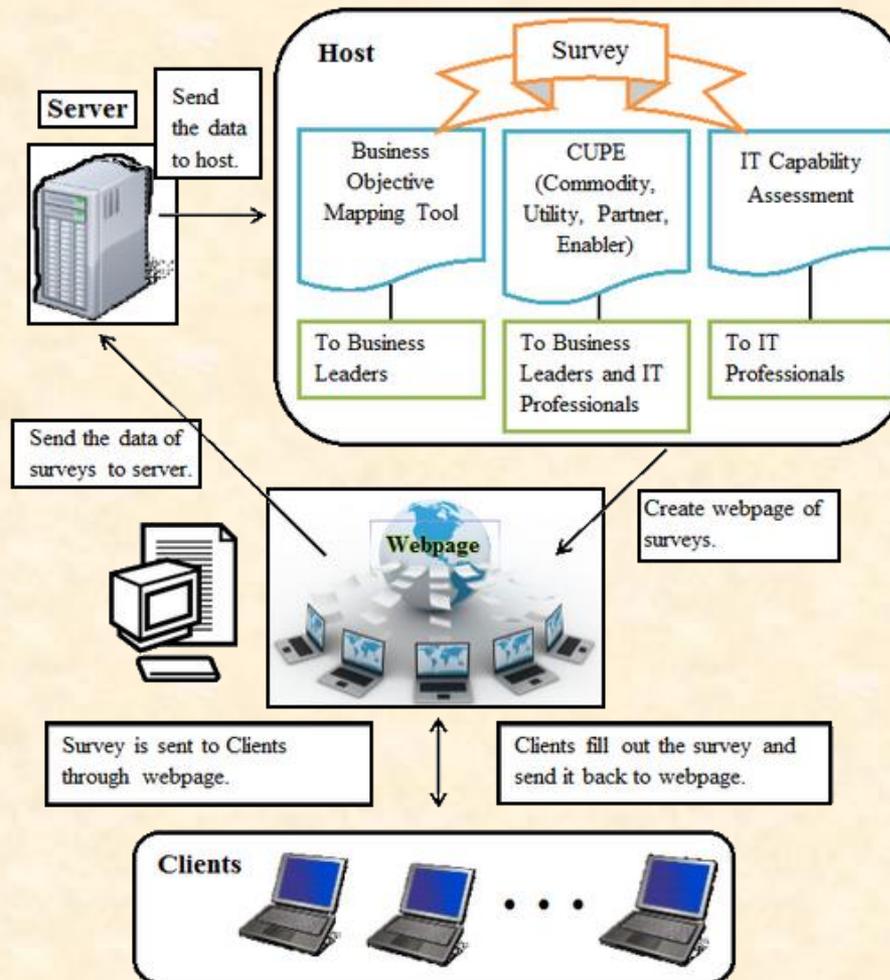


Technical Specifications

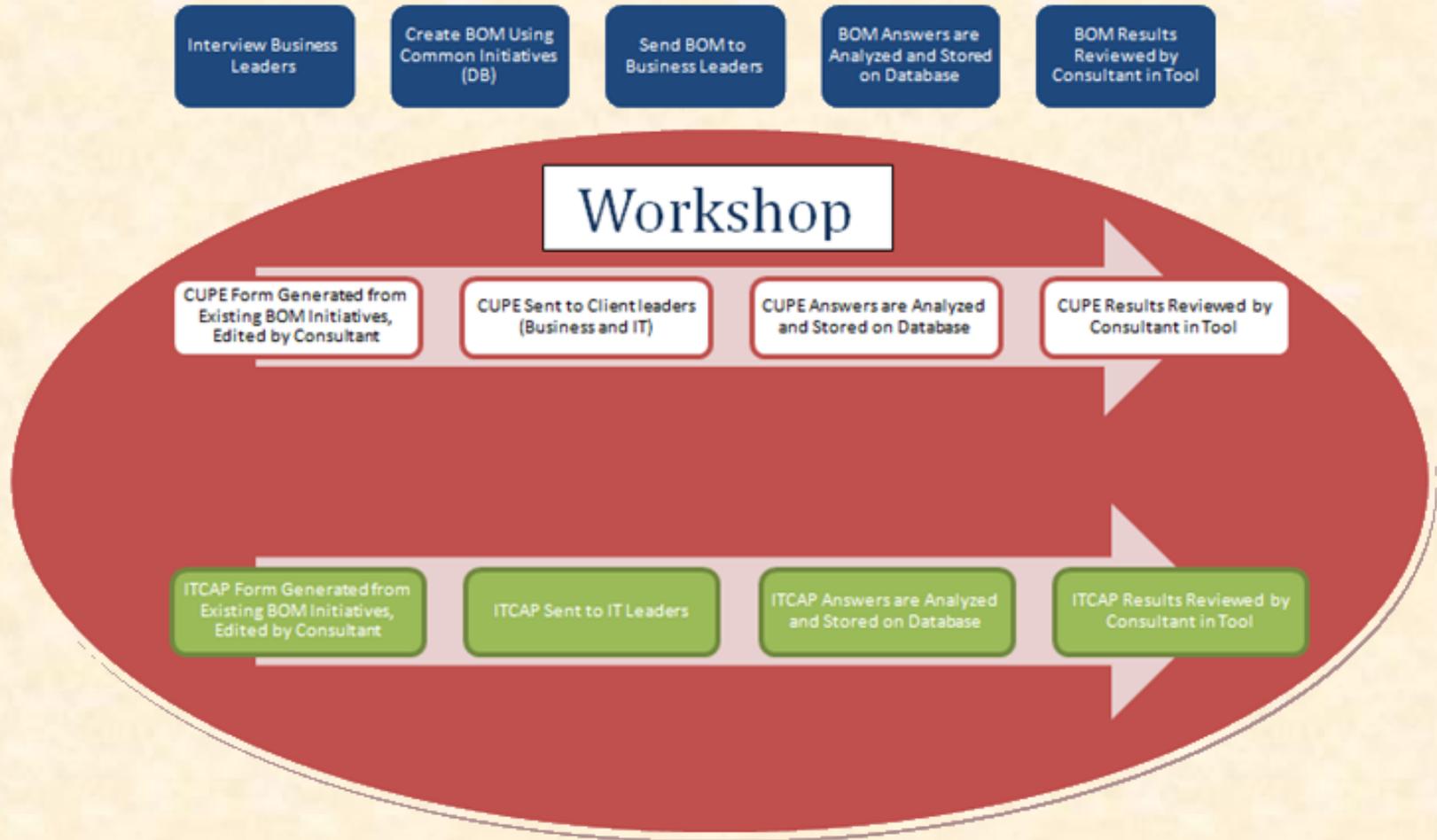
- Toolkit
 - GUI Using Windows Forms
 - Email Clients Dynamic Surveys
 - Export PowerPoint
 - Open Existing Sessions
- Server
 - Retrieves data from Web Surveys
 - Sends data to ToolKit
 - Entity Framework



System Architecture



System Workflow



System Components

- Hardware Platforms
 - Windows 7
 - IBM AIX
- Software Platforms / Technologies
 - IBM DB2
 - Git/Github
 - .NET 4.0 Visual Studio 2010



Testing

- Manual Testing
 - Data Cohesion Through System
 - Browser Compatibility
 - GUI Testing
- Server Testing
 - Large Data Sets
 - Multiple Users



Risks

- IBM Changing Their Mind
 - Weekly Meetings
 - Good Communication
- IBM Server Malfunctioning
 - Mimic their set up on the Capstone Lab server
- DB2 Being Problematic
 - Research multiple ways to interact with DB2
- IBM Legal Issues
 - Pray

