Employee Rating System (ERS)

Galyan’s & Butler University
A Joint Project
People Involved

- **Galyan’s**
  - Paul Wagner, CIO
  - Jeff Brown, Operations Manager-Stores

- **Butler University**
  - Panos Linos, Faculty Advisor
  - Mykola Komarevskyy, SE student
  - Wisam Gherfal, SE student
Motivation

- Improve *efficiency* of staff management
  - Improved system performance
  - Better system usability

- Improve *effectiveness* of staff management
  - Extended system functionality
Architecture of Existing System

- Trade Center
- TradeWind
- Microsoft SQL Server 2000 (Size: ~60GB)
- JDA Oracle
- Merchandising
- Gun Log & Commission System
- Informix (legacy database)
- Human Resources & Finance
- PeopleSoft (Microsoft SQL Server 2000, Size: ~20GB)
- Kronos
- Sales Audit
- ProAct SQL Database
- Microsoft SQL Server 2000
Existing System - Statistics

- 40,000 transactions a day
- 3 hours to generate a weekly report
- The language used is Informix 4GL
Proposed System Requirements

- Consolidate required data for analysis
- Establish new ranking rules
- Provide higher performance
  - 1-2 minute response delay
- Improve usability
Proposed Architecture
Proposed User Interface Requirements

- Compatible look and feel
- Improved usability
  - Default store setting
  - Progress indicator
- Grouping by period
  - Monthly / Quarterly / Annually
- Grouping by enrollment
  - Full-time / Part-time
User Interface (Proposal I)

- Advantages
  - A user can view data and change settings concurrently

- Disadvantages
  - Less part of the report is visible concurrently
User Interface (Proposal II)

- Advantages
  - A user can view more report data at the same time

- Disadvantages
  - A user has to switch tabs to change report settings
Hardware / Software Platforms

- Hardware Platform
  - X86 compatible PC

- Software Platforms
  - Microsoft Windows 2000
  - Microsoft SQL Server 2000
  - Microsoft Visual Basic 6.0
Status of Development

- Gathering of requirements
- Creating requirements specifications (in progress)
- Existing code is under assessment
- Database
  - Current databases are assessed
  - Required data is located
  - Tentative design model of new database is developed
- User Interface
  - Prototype is under development
Conclusion

- Review of the current system
- Functional requirements
- User interface requirements
- Platform requirements
- User interface prototypes

Questions?