



material handling  **logistics conference**
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WCS Design Think Tank

Track 6 Session 4



Supply Chain Forward.

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Abstract

- ▶ **Calling all dreamers to brainstorm the next-generation of Warehouse Control System software. Those with automation experience will enjoy this opportunity to think outside the server and help craft a new-world WCS. There are no bad ideas so bring your hopes and dreams.**

Agenda

- ▶ **Discuss Hardware and Software Trends**
- ▶ **Explore Features and Issues**
 - ◆ **Usability**
 - ◆ **Productivity**
 - ◆ **Features and Functions**
 - ◆ **Tools**
 - ◆ **New Concepts**
- ▶ **Brainstorming Process**
- ▶ **Feedback & Input**
- ▶ **Questions**

Hardware & Software Trends

- ▶ **Hardware**
 - ◆ **Virtual, Fail-over**
- ▶ **Operating Systems**
 - ◆ **32/64**
- ▶ **Database**
- ▶ **Web Enablement vs. Thick Client**
- ▶ **Service Oriented Architectures (SOA)**
- ▶ **Software as a Service (SaaS)**
- ▶ **Security**



Areas of Interest

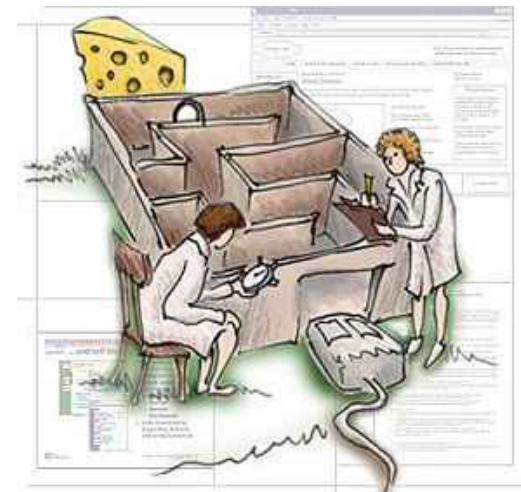
- ▶ **Usability**
- ▶ **Productivity**
- ▶ **Features and Functions**
- ▶ **Tools**
- ▶ **New Concepts**

Usability

- ▶ **Information availability**
- ▶ **Ease of use**
- ▶ **User Interface**
- ▶ **Text versus Visual**
- ▶ **UI Devices**
- ▶ **Remote Monitoring**
- ▶ **Documentation**

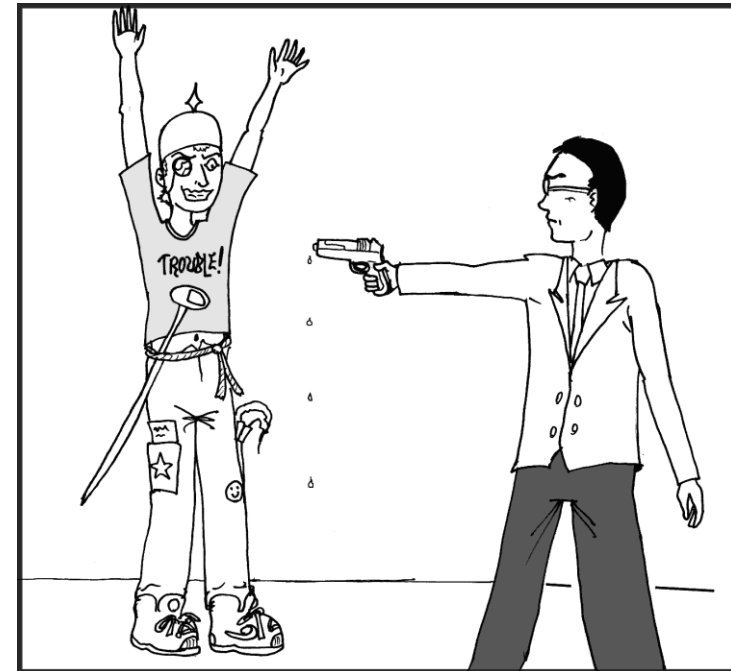
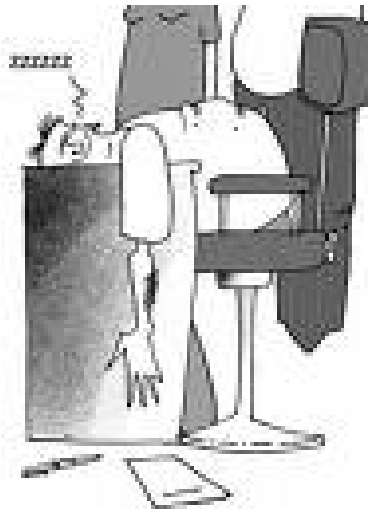


Developer watching videotape of usability test.



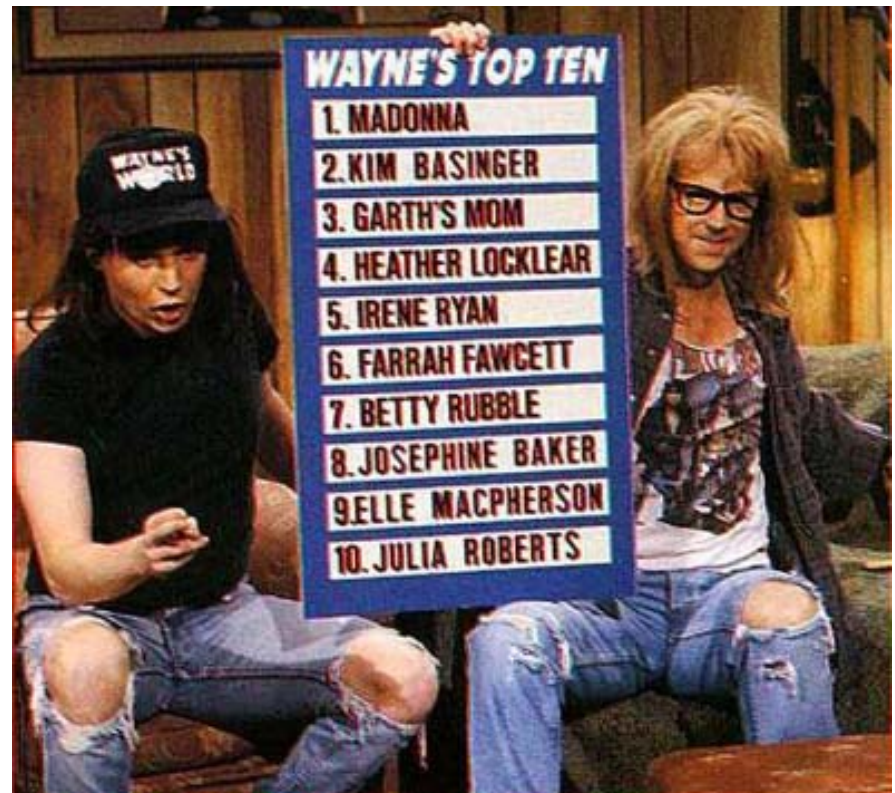
Productivity

- ▶ Enhance job function
- ▶ Troubleshooting
- ▶ Diagnostics
- ▶ Reporting
- ▶ Dashboard
- ▶ Documentation



New Features and Functions

- ▶ **Core Services**
 - ◆ System Monitoring
- ▶ **MHCS**
 - ◆ SRM
 - ◆ Pallet/Case handling
- ▶ **CHEC**
 - ◆ Sortation
- ▶ **ACS**
 - ◆ AGV Control

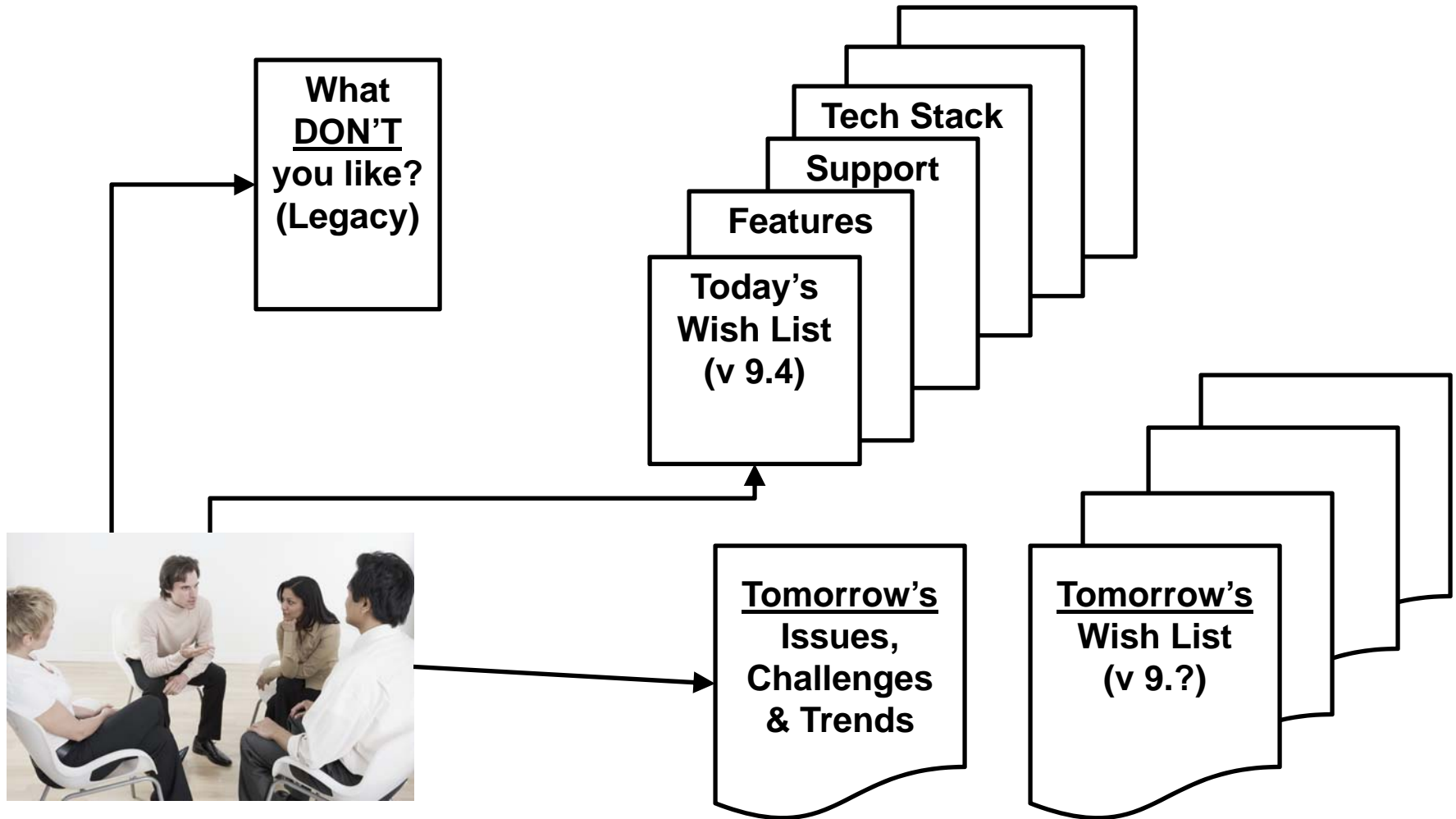


Tools

- ▶ **Configuration**
- ▶ **Deployment**
- ▶ **Testing**



Brainstorming Process



Feedback & Input

- ▶ **Features**

- ◆
- ◆
- ◆

- ▶ **User Interface**

- ◆
- ◆
- ◆

- ▶ **Technology Stack**

- ◆
- ◆
- ◆

- ▶ **Support/Monitoring Mechanisms**

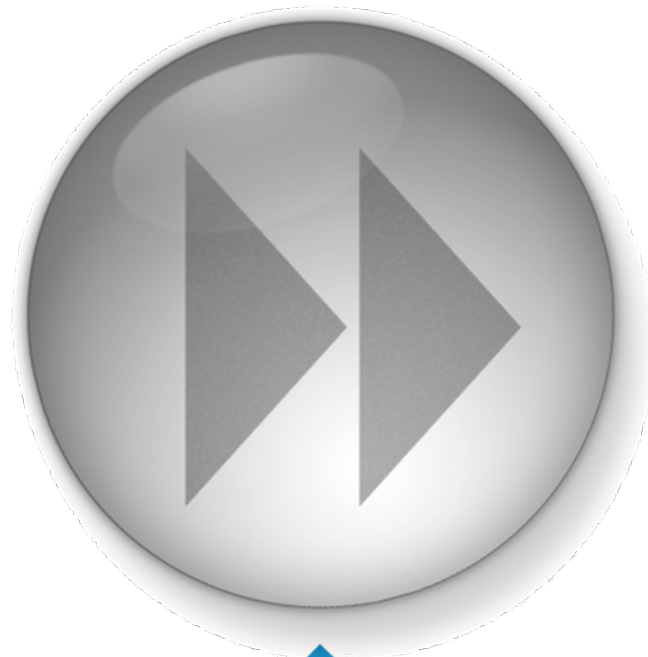
- ◆
- ◆
- ◆

- ▶ **Interface Capabilities**

- ◆
- ◆
- ◆

- ▶ **Crazy New Stuff**

- ◆
- ◆
- ◆



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Questions?