IPRO 329

Computer Game Design and Testing for Health Physics Professionals

Midterm Presentation
Problem

- What is health physics?
- Radiological Control Technician (RCT)
- How do we train RCT’s?
The Solution

- Create a *simulation* to aid in training of RCT’s
- Use previous groundwork to develop multiple *scenarios*
- Ensure that the scenario is realistic and accurate procedures are tested upon
- Overall goal: create new working scenario
Team

- Design
  - Develop scenario and work with graphics using Blender™ software
- Development
  - Use Flash™ to implement Design Team’s work into a working simulation
- Project Management
  - Facilitate communication between teams and oversee progress of IPRO team
- Deliverables
Progress

• Fourth semester of this IPRO
• Created first fully working simulation last semester
  • Received favorable feedback through usability testing.
• Framework for new scenario has been created
  • Radioactive packages inspected by RCT
• Currently working on graphics and implementing them into new simulation
Above: Inside of facility

Below: Outside of facility
Issues

• Have to understand the field in order to create a realistic simulation
  • Advisor is health physicist
  • Consulting real life health physicists working in the field
• Mixture of majors and allocation of skills into fitting teams
  • Diversity as a positive
Challenges Ahead

• Usability testing
  • Quality of data from study
• Design → Development
  • Integration and Communication
Questions?

Thank you for listening.