

I PRO 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?
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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
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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
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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
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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.

