

Building a web-based clinical evaluation program...

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.....the stumbling blocks along the way
to the creation of an online
standardized clinical scenario
evaluation tool



Objectives

1. Participants will obtain the building blocks for the development of standardized adult clinical scenarios into a web-based platform.
2. Participants will appreciate the challenges and setbacks in the development of a web-based online clinical evaluation tool.


Description of Problem



- Evaluation of clinical competence in distanced-based NP programs.
- Objective Structured Clinical Evaluation (OSCE): time, expense, organization.
- Intersection of computerized virtual patients and OSCEs.
- Nurse educator limited experience in development of web-based programs.

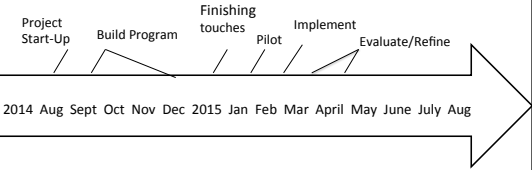
Process of Project Development

- Identify key stakeholders
Administration, Catalyst Program, Faculty
- Institutional support: Catalyst Program
- Project Team Assembly
- Collaborators at Duke
 - Catalyst Program director
 - "E-Learning" expert
 - Instructional designer
 - Evaluations expert



Process of Project Development

- Identify Resources needed
 - Appropriate platform, programmer, financial, faculty and student input
- Timeline development



2014 Aug Sept Oct Nov Dec 2015 Jan Feb Mar April May June July Aug

Do you use eardrops or any other medication in your ears?

Do you have any hearing loss?

Do you have a history of ear infections?

Do you have any pain in your ears?


Do you have any drainage from your ears?




Yes

No



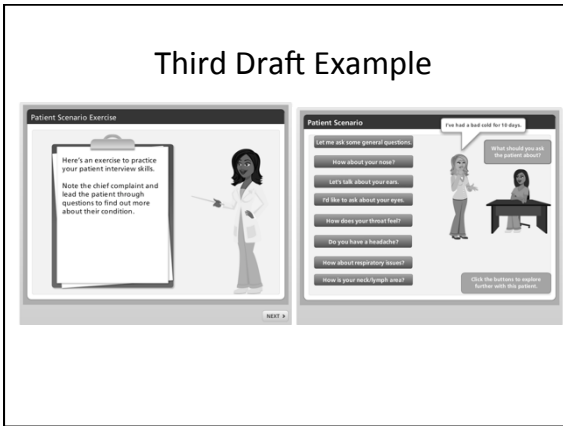


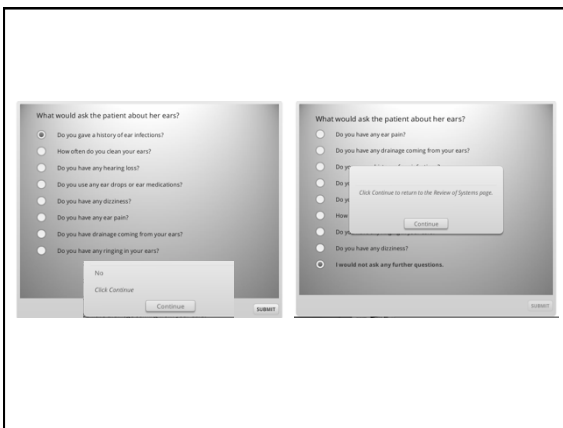
Stumbling Blocks



Communication between clinical experts & technology expert

Third Draft Example







Pilot Project

- Final revision of storyboard product
- Evaluation of product by "key stakeholders"
Review and input via survey & focus groups
- Pilot project on a select group of NP students in 1st adult clinical course
Upon completion the team will receive performance feedback



Testing the Tool

- Measurements of interest
Advance clinical knowledge & competencies
Decision making vs skills
Feasibility
Validity
Reliability
Inter-rater reliability



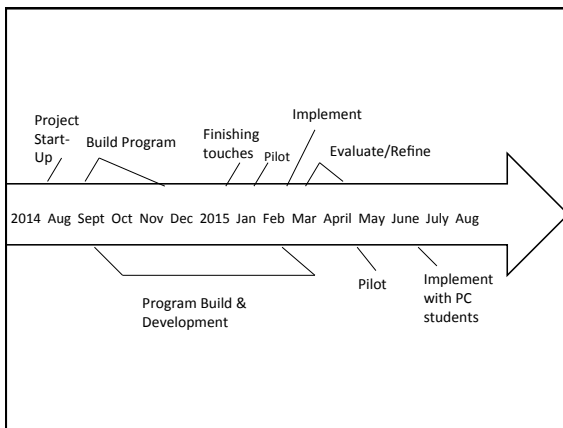
Evaluation

- Be flexible with timeline
- Keep good notes!
- Foster creativity
- Develop plan for rapid development & evaluation of the tool
- Perform an extensive review of literature & commercially available tools presently in marketplace

Future Plans

- Refinement of product
- Expand case scenarios
- Develop additional case scenarios
- Provide for immediate performance feedback
- Develop tutorial for students, faculty & preceptors





Thank you!



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