

VIP/Senior Project Final Presentation

Fall 2018

Aeromedical Evacuation App 1.0

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<date of the presentation>

Problem definition

- Whole Project:
 - The Aeromedical Evacuation training program at the FIU academy for disaster preparedness is a short two week training program encompassing a wealth of knowledge.
 - Participants in this training program have been asking for advanced access to lecture material, but currently material is spread across several locations.
 - Lecture material at the moment consists solely of powerpoint presentations.
- My Part:
 - Making lecture material more engaging and interactive than just powerpoint slides.

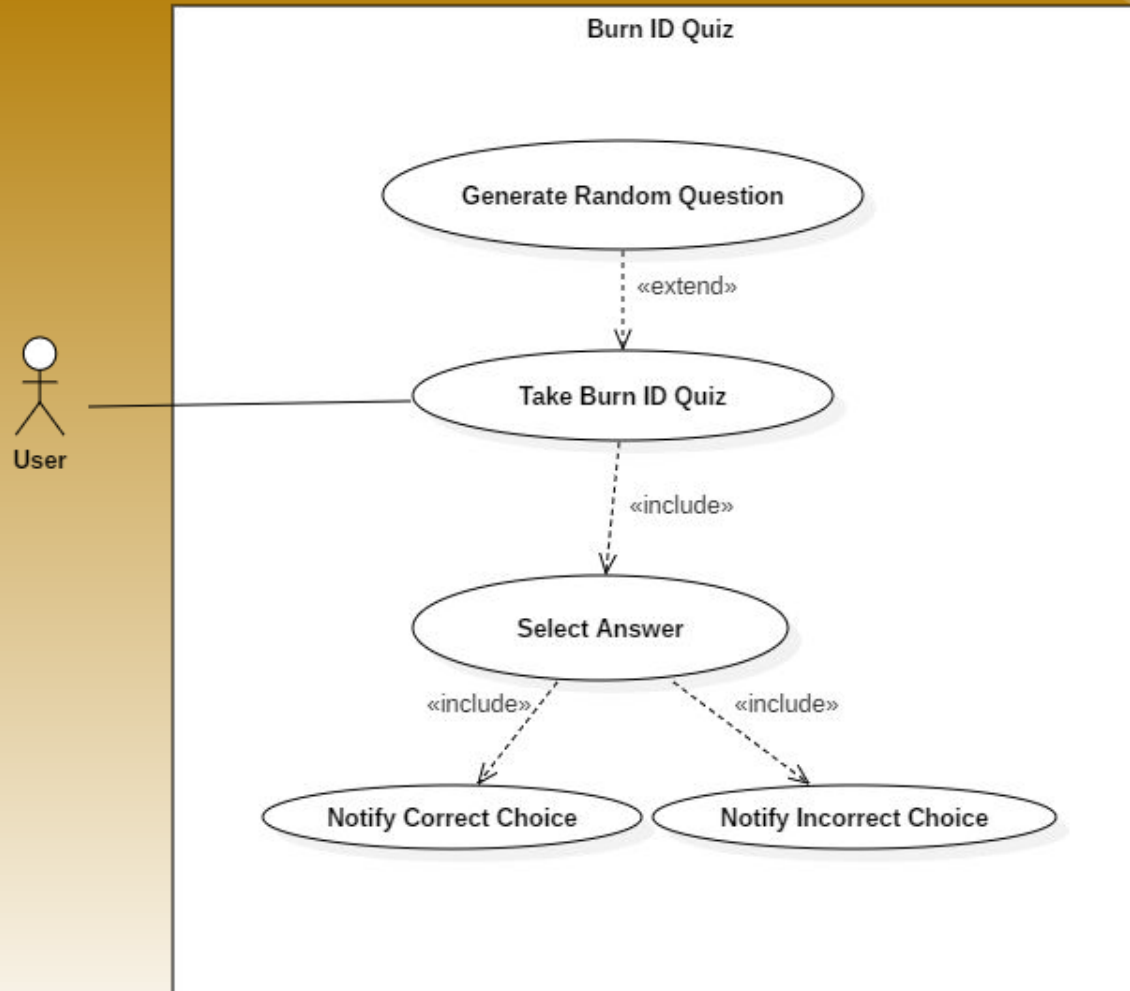
Project Management

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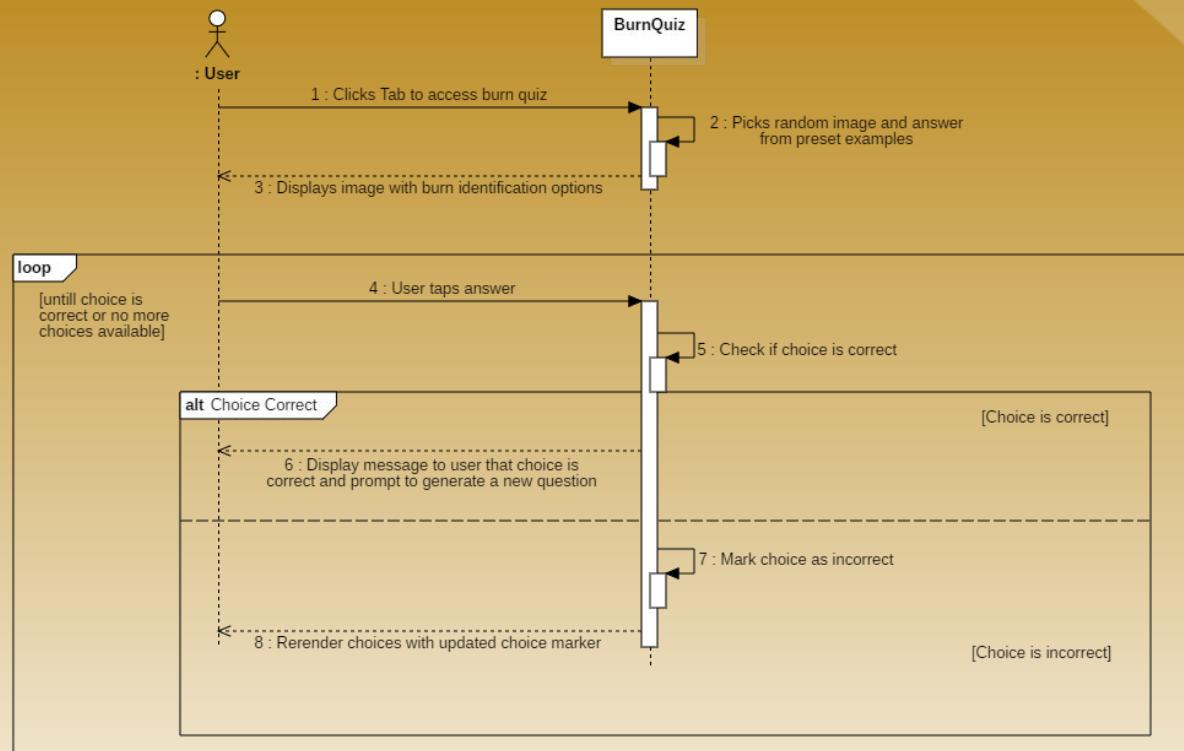
Requirements: User Stories

- User Story AEVA - 32: Create interactive quiz for burn management.
- This user story required building functionality which the user could engage with that would test the user on their ability to correctly identify burn degrees from an image.

Requirements: Use Cases



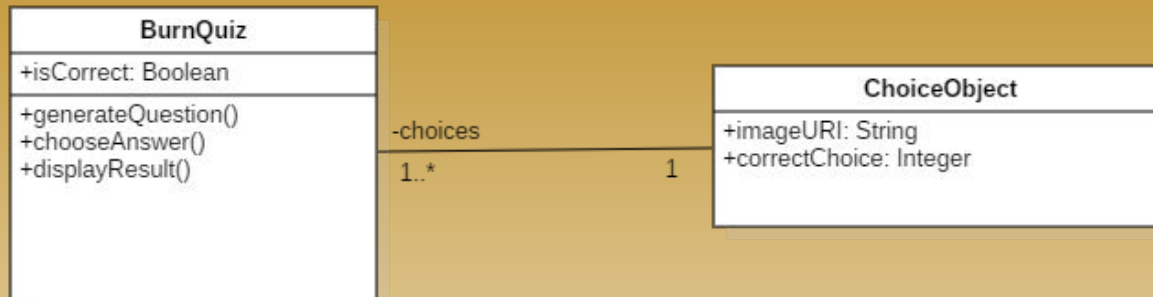
Requirements: Sequence Diagrams



System Design

- The system was designed using persistent data.
- Images are stored locally on the device and pulled at random along with their correct answer.

Minimal Class Diagram



Main algorithm

```
while onPage:  
  if userChoice != correctChoice:  
    mark(userChoice)  
  else:  
    generateNewQuestion()
```

Test Case 1 (Sunny)

- Test case ID: Correct Answer opens dialog box
- Description/Summary of Test: When a user chooses the correct answer a dialog box should appear and generate a new question
- Pre-condition: User is on Burn ID Quiz
- Expected Results: A dialog box appears
- Actual Result: A dialog box appears
- Status (Fail/Pass): Pass

Test Case 2 (Rainy)

- Test case ID: Incorrect answer changes selection color to red
- Description/Summary of Test: When a user chooses the wrong answer the choice is marked red
- Pre-condition: User is on Burn ID Quiz
- Expected Results: Choice becomes red
- Actual Result: Choice becomes red
- Status (Fail/Pass): Pass

Summary

- My contribution to this project along with creating summaries of lecture content, was creating interactive ways of interacting with said content.
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- Questions?
- Thank You!