

CART263 - Project 2 proposal

Artist statement

This project stems from a reflection about medication packaging and emergency medication management and how the leaflets usually given to patients are quite a boring read. So I wanted to test out a different way to learn about a medication, a method which would be more interactive and also easy to come back to in order to quickly refresh one's memory during times of panic.

As such the aim of this project is to create a simulation of first aid practices for patients with hypoglycemia through an interactive algorithm mimicking real-life cases. The interface itself will be inspired by the simplicity of Gameboy pokemon games allowing for the user to explore the storyline by simply clicking his way through a multiple choice quiz system.

Design-wise, I would like to go with a minimalistic aesthetic with contrasting colours. It will look like a website with multiple pages, some of them being p5 canvases.

Technical challenges

Challenge	Proposed solution
Figure out how which libraries will be necessary and how to make them work together	I think JQuery, JQuery UI to help create a responsive interface easily. A p5 canvas could be helpful to display an animated demonstration of glucagon administration
Figure out how to make clickable buttons to navigate through a storyline and which has different options appearing according to the chosen button.	Found out how to use classes with DOM events and JQuery events. Get overall more comfortable with both. Get inspired by how multiple choice quizzes are built
Build solution algorithm	Make a draft for the possible storylines before coding them because it might get complicated.
Generate random bad solutions and the good solution and distinguish between them and have them appear at random locations throughout the option slot.	Use a JSON file to keep bulk of the data
Use Responsive Voice API to give instructions.	Figure out how to make this work without p5 as i have never use it like this before
Add a feature which narrates out loud how to	

act during emergency situations.

Product page


One line description and indication of glucagon

Do I ?
How to ?
And then ?
Extra tips
Teach someone else

I NEED GLUCAGON

Rescue Meds

Desktop - 4



Boris is feeling faint and his blood sugar is 3.0


Call 911

Check symptoms

Check blood sugar

Give sweet snack

Desktop - 5



Prepare the Glucagon injection.

Dose : 1 unit