

Python Assignment R Elmes 2024-02-18

Overview

The application I chose to build was for a local pharmacist who specialises in orthotics for sports players and the general public. The application is a questionnaire application that he completes for every consultation before fitting orthotics. His current method is the use of paper surveys. This is time consuming and it requires lots of manual data entry which can be error prone at a later date. The questions, images and scoring for the application is all logic supplied by the pharmacist.

He asked me to see if I could automate the data collection which in the future will allow him to compile results better and also have a better understanding of how many surveys are completed.

The pharmacist logic and scoring allows him to determine if getting orthotics could help the patient from requiring hip/knee surgery at a later date and he will advise accordingly

Points that the pharmacist made

Needs to be able to be used across his 4 stores but only by his staff

Wants to be able to print the questionnaire scores and answers for the patient

Storing data would be a nice to have but not essential for the minute (this is a MVP and I wanted to show him what was possible that's why I used the csvs and a mimic of a database). Note the writing to csv here doesn't seem to work the way I want to compared to when running locally. This would be corrected with a database.

Link to the app <https://fixmyfeet.onrender.com>

How to deploy on Render

- I followed instructions and connected the repo to git
- Push the source (questionnaire app folder) code to git
- Make sure to have an up to date recommendations text file with all the packages needed for python
- Connect render to the git repo
- Leave root directory blank
- Make sure build command is `pip install -r requirements.txt`
- If all working app will come live

Feelings about the project

- Need more practice - struggle to match all the different elements together at times.
- I struggle with the design concept alot. It's not a strong suit and I need to put more time into learning this
- Enjoyed building simple logic and getting flask up and running for the first time
- Enjoyed the data element of the application. I think the next one I complete will have a data focus to it

- Need more practice and building out applications