To whom it may concern,

My name is Lorcan Bermingham and I am studying at Carlow Institute of Technology. I am currently in my fourth year of software development.

I am developing an application that will target patients with Cystic Fibrosis. I will be looking at a specific age range 12 to 18. The application will monitor two specific areas, the first will be physical activity and the second will be eating habits. This data will be monitored between doctor appointments.

The aim of this application is to give a patients team of doctors the ability to get a complete overview of their patient's health throughout the period since their last appointment.

The reason that I have chosen that age range is because my sister Rachel has CF and through her early years (12 to 16) she was relatively healthy and would only see her doctors in Crumlin every 3 months. Once she turned 17 though that changed and she began to slip and had to go into hospital more and more but there was no definitive reason why. I know that every patient with CF is different and have their own individual symptoms.

I hope that this application will be able to give a team of doctors more information from the patient when they are healthy straight through to when and if they begin to decline. The application will monitor how active the patient is, including any sports groups they are part of and I will be using a food diary to monitor eating habits. All of this data then will be displayed to that patient's doctor for them to review.

Application Main Points :

* Patient Activity
  + Motion sensor
  + sport tracker
  + Possible Lung Function Test
* Food Monitor
  + Diary
  + Calorie counter
  + Creon counter

Above are the areas that I hope to cover with the application but I would like your input on what you would think of an application of this type and any recommendations would be greatly appreciated.

Kind Regards,

Lorcan Bermingham