



Vestibular Rehabilitation Application

Android Tablet Application and RFduino Sensor



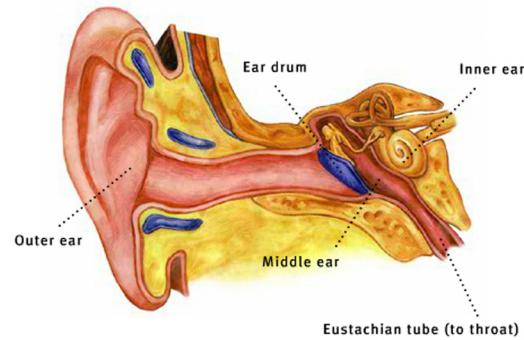
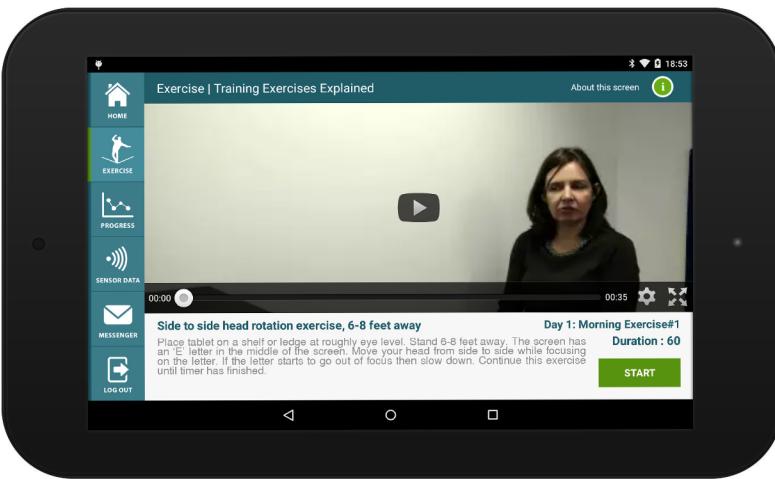
Head Tracking - RFduino Sensor

The application is linked to a head tracking sensor, **RFduino Sensor** to monitor and supply live feedback to patients as they are doing the exercise.

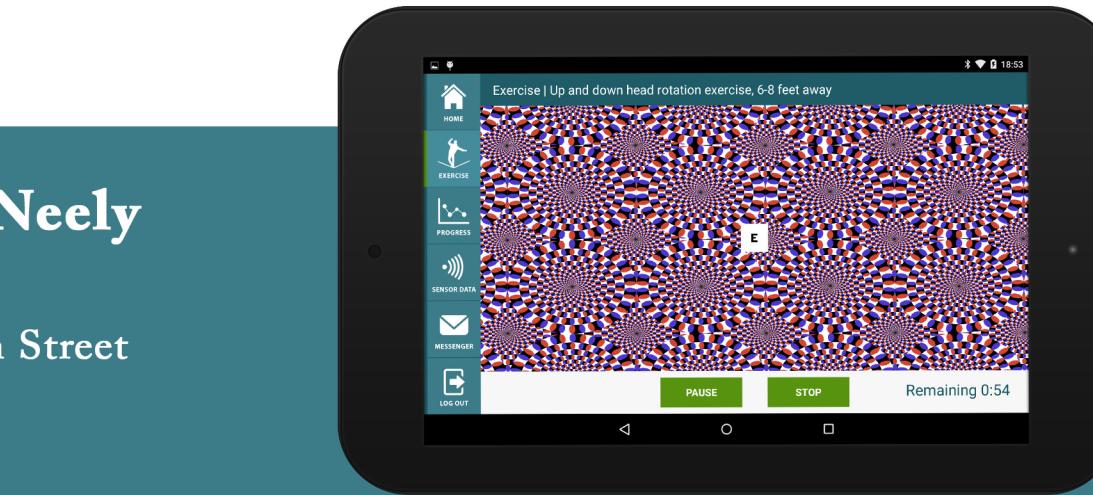
Main Components

Video Instructions

Audio and visual demonstrations for each exercise will guide the user through each step of their recovery



Vestibular disorder affects people of all ages and can be a debilitating condition, many suffer from; dizziness, unbalance, migraines, anxiety and social impacts.



Submission by Darren Mc Neely

Course : DT211/4
Dublin Institute of Technology, Kevin Street

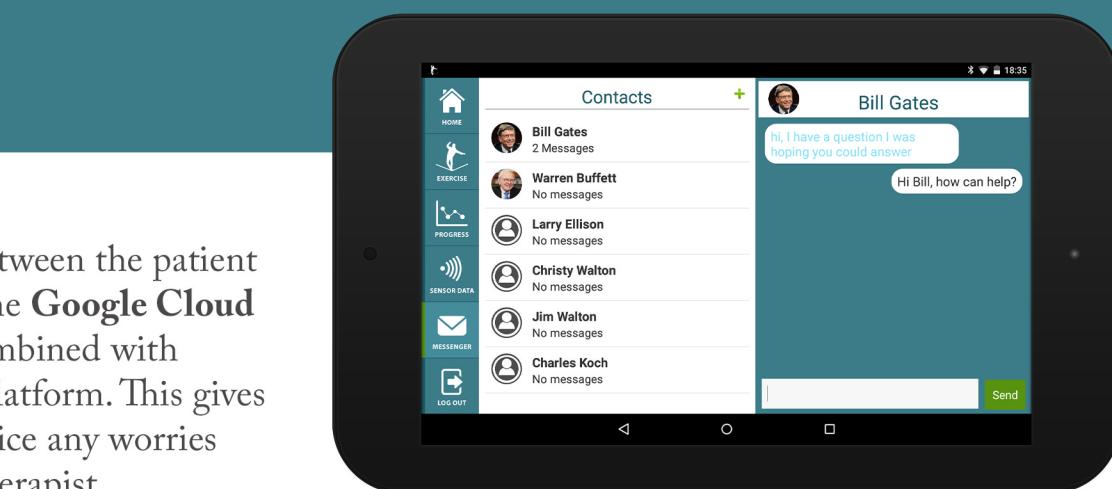
Supervisor Bryan Duggan

In collaboration with
Dara Meldrum, Physiotherapist



Instant Messenger

Provides communication between the patient and physiotherapist using the **Google Cloud Messenger** notifications combined with **Microsoft's Azure** Cloud platform. This gives the patient the ability to voice any worries or questions to the physiotherapist



Tailored Exercises

The application is fully equipped with tailored exercises and built in collaboration with a physiotherapist.