UNIVERSITY of BRADFORD

Faculty of Engineering & Informatics

Department of Computer Science

Disease Prediction Android Application

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BSc (Hons) Computer Science

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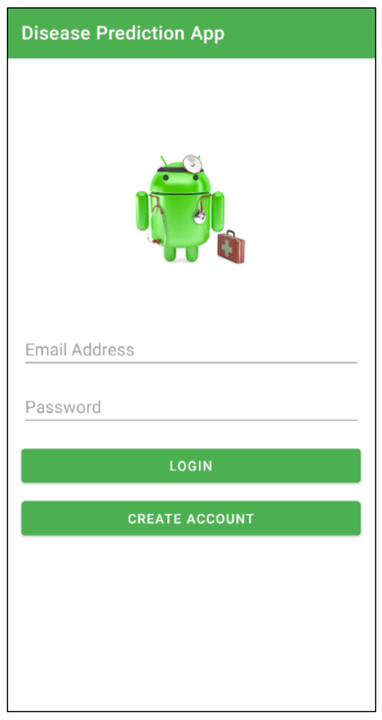
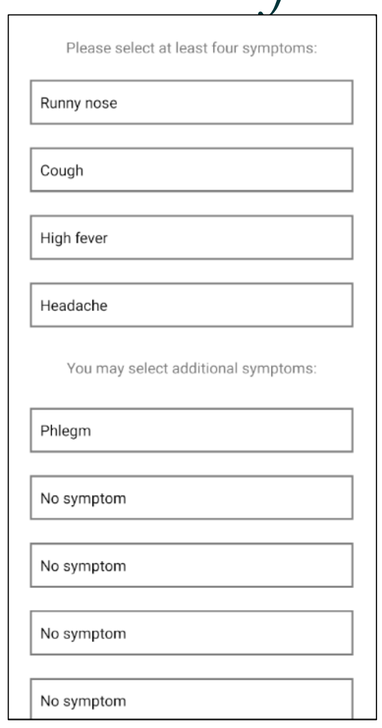
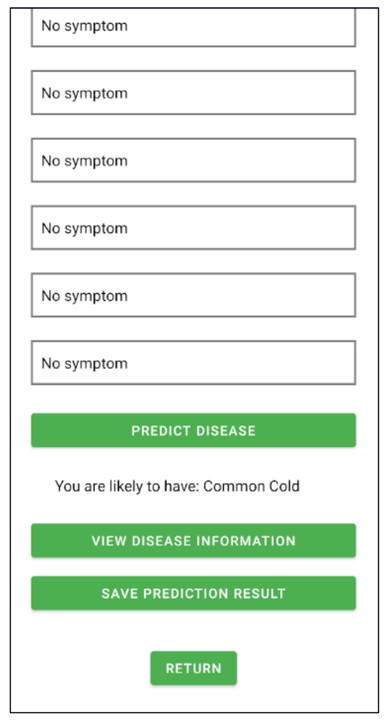
Project Aim: Develop an Android application that utilises Artificial Intelligence to diagnose a user's disease as well as provide the user with other assistive features.

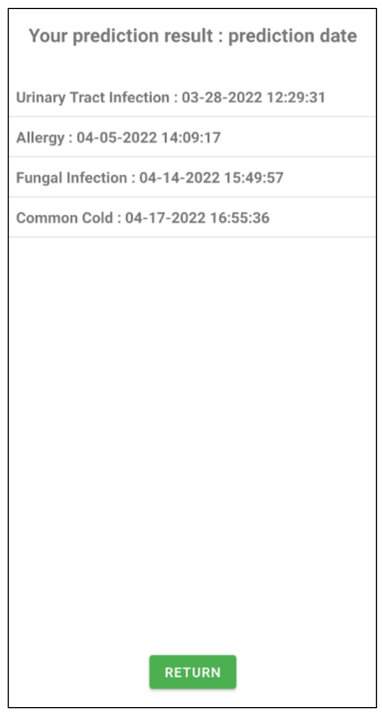
Key Achievements:

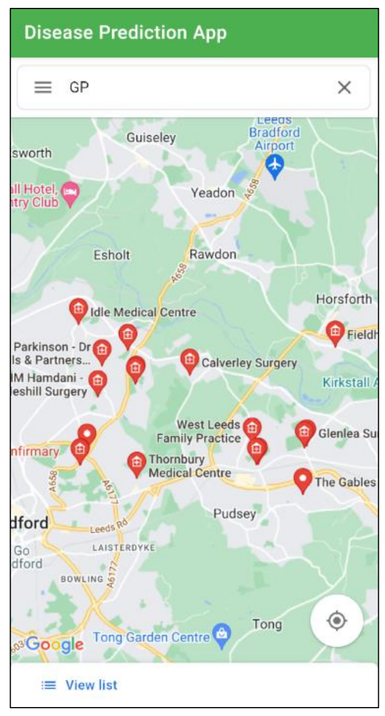
- *Built and trained an artificial neural network model using Python, TensorFlow and Keras API*
- *Utilised trained model as an application asset to perform on-device inference i.e. allow user symptom input to predict a user's disease in app*
- *Users can get more information about their predicted disease via webpages*
- *Users can save their disease prediction results and view them at a later time*
- *Users can locate nearby healthcare services*











Conclusions: The application will provide immediate diagnosis for it's users. It was developed due to a lack of face to face GP consultations patients were experiencing during the Covid-19 pandemic.

python™ TensorFlow Keras Java Built with Firebase