

CO600 Abstract

Project Name:

JustHealth

Name of Students:

Charlotte Hutchinson

Richard Logan

Ben McGregor

Stephen Tate

Supervised by:

Yang He

Project description:

Prescribed medication is often critical to a patient's health, but it's also vital to the practice of healthcare and guaranteeing that the correct drugs are recommended for conditions. The objective of JustHealth is to be a unique platform that facilitates the relationship between patients in full or part time care and their carers. The system will work seamlessly across both web and mobile (Android) systems. JustHealth will allow patients and carers to track their prescriptions and appointments, complete with alerts and reminders.

JustHealth will be handling sensitive and personal information, so the entire platform will be developed with security as a key focus. An aim of the platform is to provide a publically accessible and secure API in order for third party developers to leverage the existing functionality and build their own applications for other operating systems or wearable technology.

Results:

The four key results from the JustHealth project are:

- ✓ Secure Backend Platform/API Server
- ✓ Web Application
- ✓ Android Application
- ✓ Comprehensive Documentation

Resolute project management and extensive software engineering skills have enabled our team to successfully achieve our initial aims. All the implemented functionality has been repeatedly and thoroughly tested to ensure it works to create a full user experience. Fulfilling all the requirements classified as 'must' and 'should' using the MoSCoW method allows us to consider the completed project a success. JustHealth integrates with existing Android calendar and notification functionality to ensure patients and carers are reminded to take medication and attend appointments.

To facilitate interaction with the entire JustHealth platform and as project evidence, a comprehensive amount of documentation has been produced; including initial research of the healthcare domain, technical and user documentation of all functionality, and a vast library of planning, testing and project management reports.