VICTA Mobile

By Group 22

Overview



Introduction

- VICTA is a tool designed to teach and train medical students
- Different scenarios are presented where the students can enter their solution to each scenario
- Solutions will be sent for feedback
- Learn without the need of physical patients
- Always accessible
- Similar to real life situations, as different symptoms can mean different solutions



Software Design Decisions

Software design decisions

Colour theme

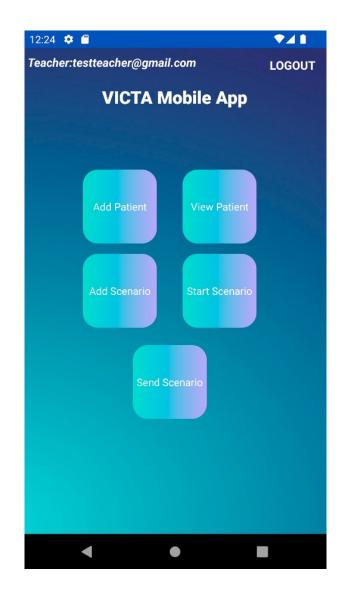
Format and content

Templates

Interactive exploration

Simple and straight forward





Software design

- Home page
- Add patient
- View patient
- Add scenario
- Start scenario
- Email



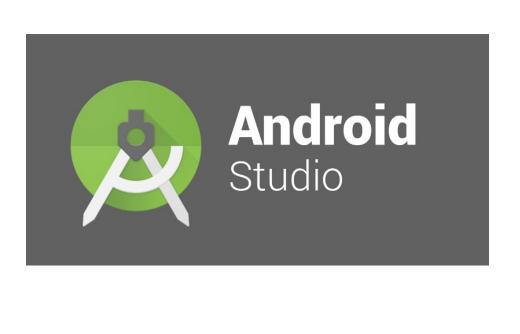
▶ — Patients

ScenarioSummary

▶ — Scenarios

▶ Users



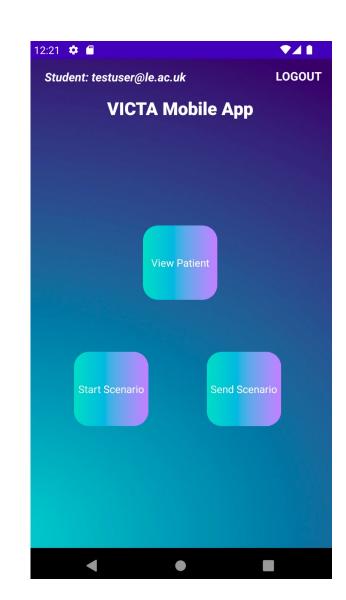


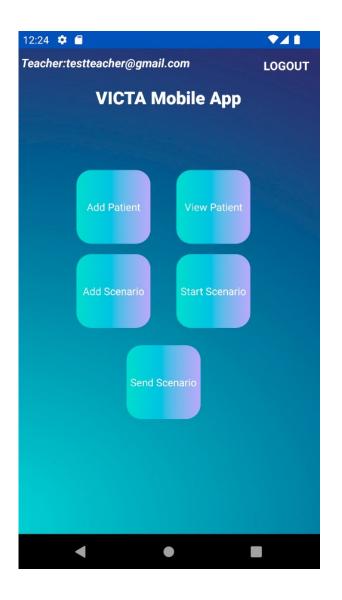
18/01/2023

Demo of key features

Access roles (Authorization)

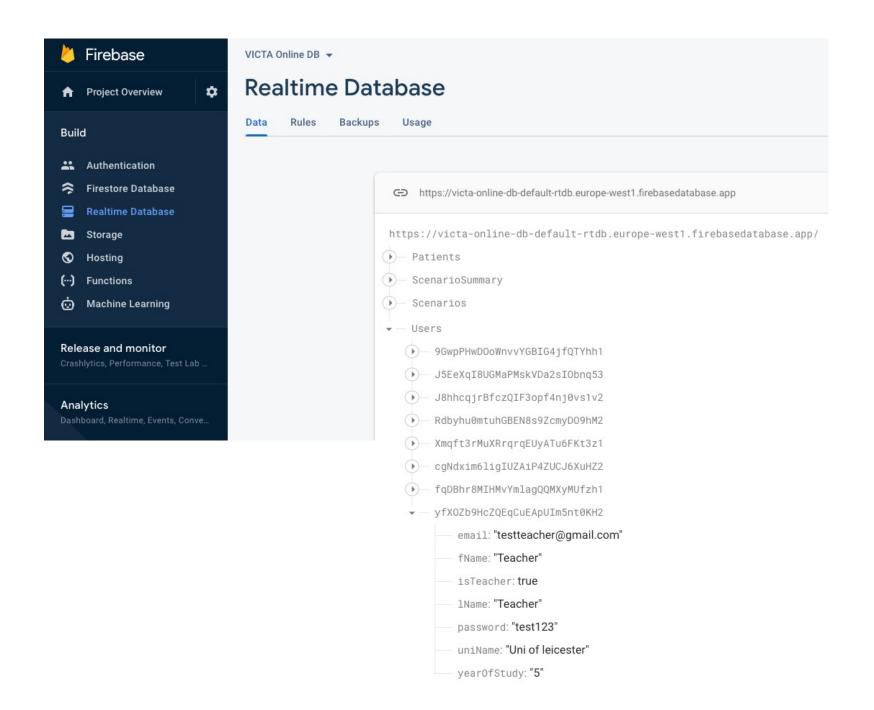
- There are 3 roles (user types) Student, Teacher or Admin.
- An admin manages the student & teacher role.
- Shortcoming: Internet connection is required to use the app





Role of an admin

- Configure database rules when required.
- Manage user accounts.
- Give access to other admins



Autocomplete Search

- Used AJAX calls which allows web requests to be completed asynchronously
- Minimal app data is stored on the user's device!

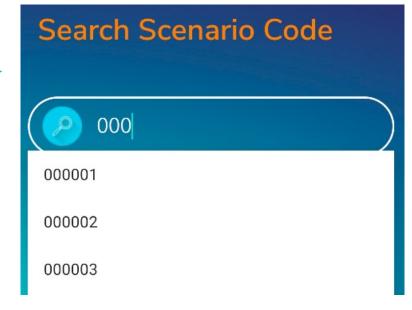
In 'View Patient'

In 'Add Scenario'

In 'Start Scenario'

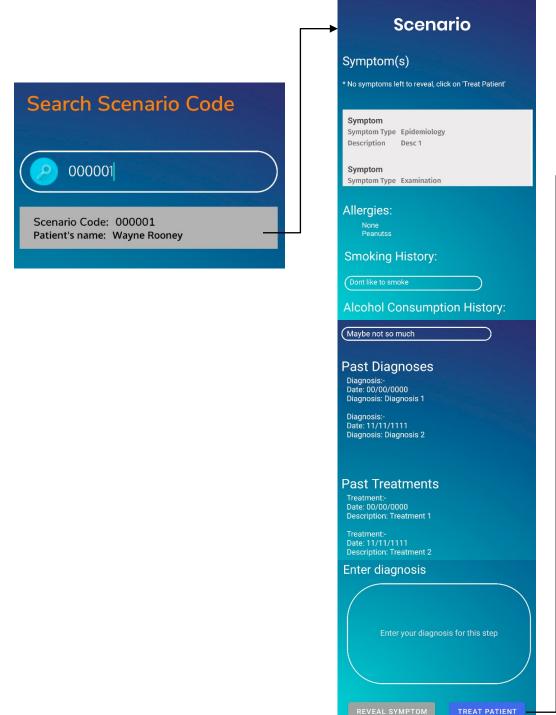
Name: Wayne Rooney
DOB: 11/12/2001





Scenarios

- A teacher provides scenario code and patient's name
- The students access the scenario
- They attempt the scenario and prescribe a treatment.
- User can view their scenario journey in summary





Realist plans to take this project onwards

Goals

- Teach the clinical reasoning process to medical students
- Gives students the opportunity to develop their skills without the need for real patients
- It can be used to supplement existing student placements in real hospitals

Creating the Mobile App version

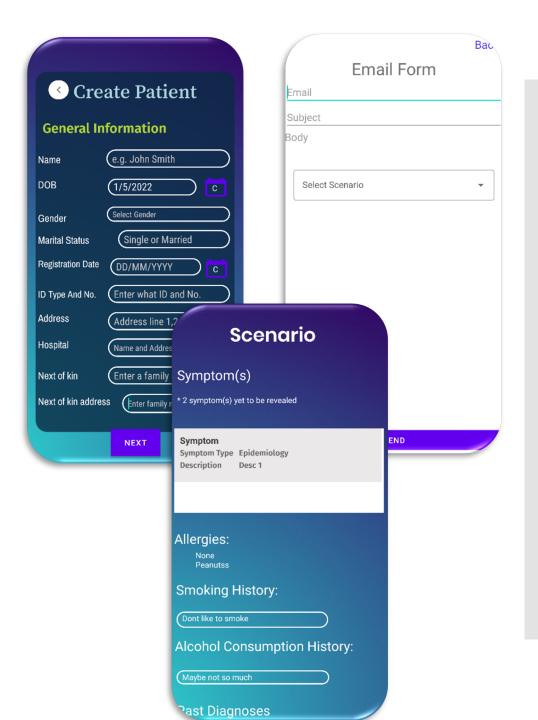


- Based on the existing web version implement a similar solution which can operate independently on mobile applications
- High priority goals:
 - Login system
 - Accessibility of database
 - Communication with teachers



What we achieved

- Student Login
- Teacher Login
- Email
- Patient management
- Scenarios / Access Cases



Future additions

- COMPLANTS:

 PATENT

 DAMINATIONS 1

 PATENT

 DAMINATIONS 2

 LAB DATA:

 Currently Selected Epidemiology / Symptoms:

 AttributeGenderFemale

 AttributeGenderFemale

 Proceedings (36)

 Engender (36)

 Engender (36)

 Fracture (36)

 Fractur
- Implement Pubmed search of medical terms
- Patient medical record
- Connect access case to medical database
- Likely diagnosis algorithm



