

Title: Developing a home monitoring mobile app for dengue (M/M15/2021/11/7348)

Requirements:

1. To develop a mobile phone app running on the Android operating system.
2. The app must consist of a user login function.
3. The app must be connected to the database.
4. The app must have a widget-style home page (refer attachment).
5. The app must allow the patient to can key in their temperature, blood pressure, pulse rate, hemoglobin, hematocrit, white cells and platelet. These should be able to appear in chart format.
6. The app must allow the patients to view their status on the dashboard.
7. The app must consist of a symptom diary function that allow the patients to enter their symptoms. After the symptoms are entered, there will be an incorporated decision tree that feedback the patient to seek medical attention immediately OR safe to stay home.
8. The app must consist of a checklist of self-care tasks to do. Patients need to complete daily tasks and the reminder will pop up 3 times a day. (Example, drink water, taking medicine, and etc)
9. The app must be secure, and the patient data must be protected.
10. The app must consist of a Latest News function for users to read. (text and images). A content management system is required to allow the admin to upload news regularly.
11. The app must have an analytics function to summarise patients' data and details.
12. The app must be hosted and running for 3 years.
13. All source codes must be given to the University of Malaya team at the end of the project.
14. This is a joint project with the "Developing educational modules on dengue (C/C03/2021/11/3080)". The contents from the other project will be incorporated into the same app developed in this project.

Title: Developing educational modules on dengue (C/C03/2021/11/3080)

Requirements:

1. To develop a mobile phone app running on the Android operating system.
2. The app must consist of a Nearest Hospital function (google map) to allow user to find the nearest hospital.
3. The app must be able to link to the Dengue Hotspot (Embed the contents of the iDengue website's map and data - details will be provided).
4. The app must consist of a Dengue Learning function. There will be 7 modules (quiz - with a total of 50 questions). User will answer 1 question at a time and the correct answer will be given before moving to the next question. The gamification approach will be used (Progress bars, badges). Questions will be provided.
5. The app must have an analytics function to summarise users score in quiz.
6. The app must have the FAQs page. Contents will be provided.
7. The app must have the Extra resources page (hyperlinks to other resources)
8. This is a joint project with the "Developing a home monitoring mobile app for dengue (M/M15/2021/11/7348)". The contents will be incorporated into the same app developed in the other project.



