Topic:

A3: Mobile lab service, West Puerto Rico.

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Date:08/15/2022

Problem Background:

Lab test are an essentially part of human health, we use them as checkup routines to follow changes in health and help doctors to diagnose medical conditions. Often people have problems trying to make an appointment to a lab, because the methods that are available right now to schedule appointment are complicated and not too user-friendly. Also, sometimes people just can't make it to a laboratory because of transportation issues for example, some elderly people don't drive and sometimes their family are busy working and don't have time to take them to their appointments or just people that don't count with a reliable transportation. With this app those problem would be solved. The user can schedule an appointment in the application at any convenient time and can choose the lab test that they need so in this way they can have the option to get a certificate lab tech at the comfort of their own home or just make a lab appointment.

Countermeasures:

By creating this app or website most of those problems can be solved. Can help cut anxiety level about traveling to a facility, eliminates traffic times and cost of transportation. A lab tech goes to your home take the test quickly and safely and can make multiple tests to the patient at the convenience in their home avoiding exposure to infection and to provide privacy.

Target:

Elderly people, and people that do not count on reliable transportation or just people that do not want to get expose on any sickness.

Causes:

This problem occurs when people make an appointment at a lab and the days available to assist in the laboratory conflicts in the daily schedules of many individuals or they simply do not count on reliable transportation. Also, if they do not drive or by the long distances to the location to received service and this would make more beneficial to the people who struggles with a busy schedule.

Act/Standardize:

Gather feedback from the app user on a scale of 1 to 5, make sure the software it's running efficiently without any bugs, Update the app regularly and always looking forward for new services and clients to ensure the users satisfaction.

Check/Evaluate:

Countermeasure	Goal	Evaluation
Design a GUI and implement base code	6-Sep	**Passed**
Research and add Lab corps clients to project	20-Sep	**Passed**
Create user interface Software design and arq.	6-Oct	**Passed**
Report and Demo	29-Oct	**Passed**
Make updates and bug fixes	10-Nov	**Passed**
Some Polish and launch final version	20-Nov	**Passed**