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## Introduction

From a clear observation of how fast growing technology has managed to impact our living from analogue way life to a better developed and modernised living in most our aspects of life and services linked systems. As a painful experience and a bitter truth its quite a huge setback looking to the most essential sectors including that of health is still operating manually and mostly still on analogical skeletons of operation an aspect that has been hindering the efficiency and a growth of the health sector in our country as much in concern.

Taking this as a challenge facing our health sectors and an opportunity to take measures towards helping out our government and our Societies in improving the health sector, we came up with a solution towards this problem by creating a better digital health linking system between the health sectors and the community.

## Method

The project is made from the knowledge of python programming under the django frame work , it also includes the use of Cascading Style Sheets (CSS), Hyper Text Markup Lannguage (HTML) and Java Script knowledge . The procedures mainly show how the programming process took place toward the development of the Website ; The requirements for the project are as follows ;

- Python- is a computer programming language often used to build websites and software , automate tasks and conduct data analysis
- Visual Studio Code - is a code editor redefined and optimized for building and debugging modern web and cloud applications
- Hyper Text Markup Language (HTML)- HTML is used for creating Web pages .Generally HTML describes the structure of the web page through the use of HTML elements and taggings .
- Cascading Style Sheets (CSS) - CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed. CSS is responsible for the design or style of the website, including the layout, visual effects and background color

Step 1: Install Django

•We start by installing Django using pip, which is the package manager for Python. firstly, we open our terminal or command prompt and run the following command:.

## Results

With 90% efficiency and impactful output of results of various tests we conduct, we calmly sum up that despite the presence of various health linking systems in terms of web based and applications that has come before us like ADA. With improved versions of online appointments, online purchases , improved system of secured sharing of information between the health sectors and the patients in our localities as well improved management system in health service provision sectors thus Our project would help much on efficient operation of such health sectors and linking them directly and efficiently to native people in our localities towards steps of modernizing the health sector in our country as on concerned

## Conclusion

Looking on the broader scale about the future of our project considering most of the valuable time invested on knowledges and skills of programming and researches and most of setbacks including the lack of funds for funding domains for hosting the project and limited access to internet .

Together with all of these we obtained the best and huge results of various tests we conducted that has made us to confidently conclude that we have made a system which can link health sectors and patients from our localities with higher efficiency which can modernise the health sector for better generations to come and thus making a way for the future of our project as a pioneer towards creation of a better tomorrow for health sector in our country

To this moment the system is fully capable of creating appointments , purchases of pharmaceutical products , linking variety of patients with health experts , theoretically has managed to solve the problem of beauracatic procedures in provision of health services . Besides of the major success that we have made with the project but we still face some challenges which hinder the 100 % efficiency of the performance of the project such as;

- The project use fictious information that only simulated the environment for the interactions
- The project could not link up with other health institutions in Tanzania such as National Health Insurance Funds (NHIF) due to security reasons
- The project could not link up with immediate emergency health services such as ambulance

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