



**SSU-TECHNOLOGY LIMITED**  
**Opposite La-Champagne Tropicana, Ibeju Lekki Lagos**  
**State**  
**Website: <https://sut.com.ng>**

## **Proposal For Plant Identifications Software.**

***Client Name: Dr Tajudeen O Amusa***

### **PROPOSED NAME**

- Plants Identifier
- Identifying Plants
- Plant Nomenclature

### **PROPOSED MOBILE APP NAME**

- P.I.D Mobile
- Plants ID Mobile
- Identifying Plants

### **PROPOSED WEBSITE ADDRESS**

- plantidentifier.org.ng
- plantsid.org.ng
- plantsnomenclature.org.ng

Note: org.ng is the recommended extension for this project, upon the receipt of client request, it can be changed to any of the following:

.net .com or .com.ng

\*Client is allowed to review, suggest, utter and edit these suggested names where appropriate or completely consider a new name entirely.

## **CLIENT PROJECT DESCRIPTION:**

- The software should be able to identify any plant
- Should be accessible on mobile and laptop
- Should be simple and intuitive

## **SOFTWARE CONCEPT**

- The software should identify a plant based on answers entered by the app user. Upon the launching of the software a menu appears that ask the end user questions about the trees they intend to identify.
- When all of these questions are answered the app brings out the plant name and picture.

## **THE ENGINEERING**

Platform: The software will be available on Android, IOS (iPhone), Web, HTML, and as a progressive web app. This means, the software will be accessible on all platforms.

Requirements: The software will require working internet and mobile data. This is to pre-fetch the information entered in its database.

Design: The software will be designed with the following programming language.

1. Flutter : Android & IOS
2. React Native: Web
3. Python: Web
4. Ionic & Cordova: App backend

The Software will have the following for management:

Backend: This side of the software is where the data are populated into the app, this will only be accessible by the Administrator to enter, edit, and remove where and when appropriate.

Frontend: This side of the software is the main interface accessible by the public. Frontend will display information entered in the backend.

## **APP INTERFACE EXPLANATION**

- The software as described by the client may often contain keywords or botanical terms that the public may not be familiar with. “We want the app to be accessible to anyone regardless of their scientific background”, therefore on the questions interface, a drop down will be included to explain the key terms included in the question and possibly accompanied with pictures to help the user understand what is being asked.
- Finalized answers will be based on binary. Each questions correct answers will be identified by binary, example:

We may use 1 as Yes and 0 as No

When a question Is asked and the answer is Yes then the software reads 1, if the answer is no it reads 0, after the question is completed this figures will be compiled in binary form:

No.1 question Yes =1

No.2 question Yes =1

No.3 question No =0

No.4 question Yes =1

No.5 question No = 0

The final answer will be 11010. The software then brings out the result that matched binary 11010 as entered in the database, which is the user right answer according to their question.

## **ESTIMATED TIME OF ARRIVAL**

The software is projected to be accessible through many platforms, and also requires a backend where data can be accessed and controlled remotely, this require weeks of programming, debugging and adjustments. The estimated time of arrival is 8 Weeks. Project will be fully ready for launching and production in 2 months from the time of its commencement.

## **SUMMARY**

We can summarize this project as a website and an app that helps people identify any plant just by answering questions based on the characteristics of the plant they intend to identify.

For diversification, this project will be accessible with both an app, and a website. there will be a backend where an administrator add, edit, delete, and manage data that are accessible on the front side of the app or website.

Additionally, since there's nothing like a perfect software, the app will have option where users can give feedback to app administrator if they think the plant name given doesn't match their description. This is for check and balances, updates and improvement of the software.

## **PRICE AND RENEWALS**

This project will cost \$200USD.

Hosting= \$70USD Per year

Hosting is the web server where all of these data will be stored. It's a major requirement for any web project

Domain= \$30USD Per year

Domain name is "example.org.ng" this is a website address, ultimate and unique for any web project. This will point users to the software web property.

App Development cost= \$50USD

Website Development cost= \$50USD

Total=\$200USD

Note: Hosting and domain expires after a year, therefore \$100USD will be required to sustain the project every year.

## **SUPPORT & UPDATES**

Our development team will be promptly available to provide support for the software and update it where and when necessary.

## **PAST WORK REFERENCE**

### **WEBSITE**

<https://savesaharanetwork.org>

<https://tgai.org.ng>

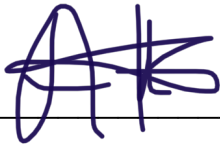
Mobile APP

<https://play.google.com/store/apps/details?id=unilorin.mobile&hl=en>

## CONCLUSION

The development of this software has already commenced about a week ago, and the team are happy. The initial picture we had can't exactly match the client description therefore more time is required to perfect the development. We are working promptly to get the software ready as soon as possible.

CEO SIGNATURE

A handwritten signature in blue ink, appearing to be 'Akinola Abdulakeem Akinade', written over a horizontal line.

Akinola Abdulakeem Akinade

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