ONLINE RADIO ACCESS PLATFORM PROPOSAL

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1. INTRODUCTION

This is an engineered platform developed by Fridolin Mpiza, Tanzania Network and Software Engineer through which a system user can stream the online radio stations of different areas where the radio programs on those stations can be easily played.

A system also enables user to search for a specific radio stations from a certain city, country and category.

2. TECHNOLOGIES USED

A system was developed by using the following technologies to make sure that functionalities tend to operate effectively;

- Cryptographic Algorithms,
- Application Programming Interface (API)
- Security hashes
- JavaScripts (Js) and Cascading Style Sheet (CSS)
- HTML (Hyper Text Mark Up Language)
- Mysql Database

All of these technologies were used to make sure that the whole system is going to undertake the intended functionalities while it is used.

3. PRODUCT FEATURES

3.1 System Dashboard

- A system is a very user friendly since a system user can easily deal with several functionalities in a scalable and effective ways of implementation.

- Therefore, a system consists of radio station searching box, regions/ cities and playing buttons from the radio stations list that a user needs to listen. It appears as follow

Welcome to Fridolin's Online Radio Access

Search by station   Search

Arusha	Moshi
Dar es Salaam	Musoma
Dodoma	Mwanza
Mbeya	Ngara
Morogoro	

Show more stations ▾   All cities ▾

Clouds FM

adult contemporary

49   287

Tzgospel Radio

news · christian · gospel

KBS Films Tz - KUTEMBE...

🏠   🔒 fmpiza.github.io/on   🎤   :D   ⬆️

Welcome to Fridolin's Online Radio Access   ✕

Tanzania All stations

Stream Your Station   *Stream Your Station*

Search by station	Search

Arusha	Moshi
Dar es Salaam	Musoma
Dodoma	Mwanza
Mbeya	Ngara
Morogoro	

Show more stations ▾   All cities ▾

Clouds FM
adult contemporary

〽 49   〽 287

Tzgospel Radio
Tzgospel
Online radio

◻   ◯   ◁

fmpiza.github.io/on

Welcome to Fridolin's Online Radio Access ✕

Tanzania All stations

Stream Your Station   *Stream Your Station*

Search by station	Search

Arusha	Mbeya
Babati	Mbinga
Bunda	Morogoro
Chake Chake	Moshi
Dar es Salaam	Mtwara
Dodoma	Musoma
Geita	Mwanza
Ilala	Ngara
Iringa	Njombe
Kahama	Rungwe

3.2. Radio Stations Menu

- On this section, a system contains a list of several radio stations where a system user can choose one which he needs to listen by clicking the play button appears of the system part below. Therefore, a list contains different kinds of radio stations including news, music, gospel and adult contemporary programs. It appears as follow

Morogoro

Show more stations ▾   All cities ▾

Clouds FM

adult contemporary

❙ 49   ❙ 287

Tzgospel Radio

news · christian · gospel

❙ KBS Films Tz - KUTEMBE...

❙ 1   ❙ 244

E-FM Radio

news · talk ·
adult contemporary

❙ 15   ❙ 147

Bethel Radio

christian · gospel

❙ godfrey - STILL NOT YOU...

❙ 4   ❙ 158

Radio Safina

pop

❙ 0   ❙ 87

E-FM Radio

news · talk ·
adult contemporary

15   147

Bethel Radio

christian · gospel

godfrey - STILL NOT YOU...

4   158

Radio Safina

pop

0   87

Sauti ya Injili

talk · christian · gospel

Unnamed Server (Unnam...

6   75

TBC Taifa
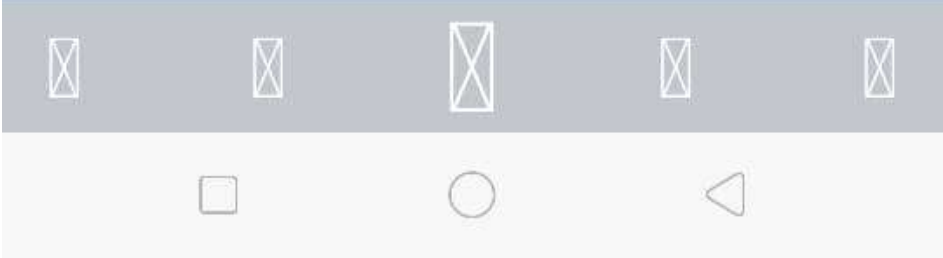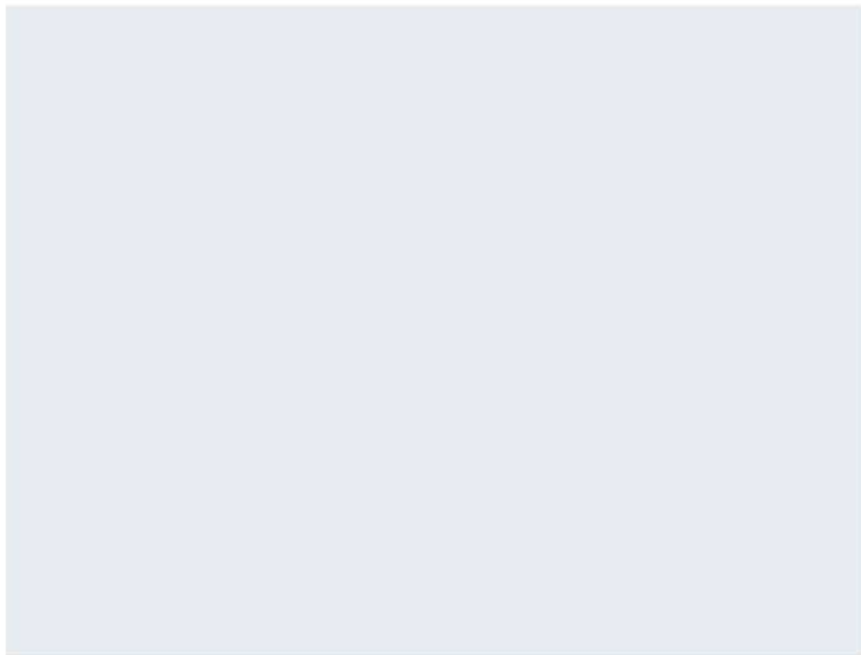
pop · news · african

2   75   2

RadioOne

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4. SOLUTION ONLINE

Eng. Fridolin, will build software by using an advanced technologies in corresponding to the current global development of science and technology as well as by ensuring the high level of security and scalability. Also, it will allow you to do any updates on page content and images once it is launched and it make an easy integration with analytics software to track page and site performance.

5. EXECUTION TIMELINE

- System execution timeline including several task as follow till making sure that the system is complete to operate.

➔ Initial Design as per discussion to meet client's needs.

➔ Functional Prototype

➔ Application development and Complete Testing

6. PROJECT COSTS

Task	Price (USD)	Price (Tsh)
Initial Invoice	85 / =	200,000/=
Approved Design Invoice	128/ =	300,000/=
Final Invoice	128/ =	300,000/=
TOTAL AMOUNT	300 USD /=	800,000/=