

LEARN FORWARD - DRAFT SUBMISSION

PROJECT DESCRIPTION

Our team is designed to solve tenacious problems in the education sector, we want to create an interactive platform where students can teach themselves, and realize a connected Africa, for jobs opportunities and better investment in Education.

INFORMATION GATHERINGS

From our recent interviews, we were able to ask teachers, students, head teachers and investors to know the kind of problems they are facing. As result of that, we were able to determine their challenges.

Our target was mainly young ones, some don't have much information about careers and which career path they intend choosing in the near future.

Teachers and school managers provided us with their main challenges they are struggling with and how we can help them improve their education systems.

Some Investors also told us some stubborn problem they are facing in investment and fund management.

Some wards of students also confessed to us the difficulties they go through in getting information about their wards.

Some Professional sectors like agriculture and fish farming expert also expressed their challenges

PROBLEMS

From what we gathered from administering questionnaires to teachers, students and managers, we can conclude in few sentences:

- Lack of means to pay school fees
- Poor quality of education at all levels (generally senior and junior high school).
- Lack of E-learning system, Evaluating and Lesson Note Content Delivery Process.
- Poor Internet quality to learn
- Lack of student Guidance (generally young ones) on what they want to do in the future

- Students teaching themselves and how they can use their phones and laptops for good purpose
- Lack of investment and bad management of funds and no traceability of their fund
- Parents contribution and evaluation
- Lack of ways to exchange new technologies for professional sector

TARGET AND SOLUTIONS

We want to create an interactive platform (Web app and Mobile app) where student can teach themselves, teachers and mentors can assist them with learning materials and guidance, also to create a connected Africa for job opportunities and investment in Education sector.

For that we want to create a Web APP and mobile app to deliver content to students, teachers, mentors, investors, parents and professional sectors.

- To solve the issue of Internet connection, all courses will have an offline access, so when the student or user join a course, all the content will be available offline through our app and a Realtime synchronization when online.



- And we also want be able to provide private courses to students and professional courses to professional sector.
- Look for investors and help them to invest in education through our platform.
- for parents who don't have means to send their children to schools we will help them with lower cost and connect them to investors.
- Donation collection to invest in education purpose

- Investors can invest through our platform, track and manage their investment, have Real-time update and report

Everything will be design for students to teach themselves.

- Teachers can create interactive courses for students.
- Parents can follow up their wards progress and levels.
- Mentors will help students with their career choices and teachers for better experiences
- Professional can also join us for better way to learn and exchange information and technologies in many sectors
- Investors can invest in education, follow, manage and get report to their investment

APP STRUCTURE

We have seen the technical issue of this app. To be able to provide a good quality of services, we have chosen google cloud platform to provide us better quality, content and Realtime updates and some good technologies to provide us better and awesome interfaces, some of those technologies are popular and more secure

- Reactjs, react native, google cloud services, firebase and firestore and many more google cloud technologies.

Our app will content will have dynamic interface

- **Student interface**
- **Teachers interface**
- **Parent interface**
- **Professional interface for exchanging technologies (agriculture, ...)**
- **Investors interface**
- **Mentors interface**
- **Donation interface**

1- TEACHER INTERFACE

They will be able to create interactive

- Courses
- Manage courses
- Quizzes
- Assignments
- Evaluate students and see student progress

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2- STUDENT INTERFACE

They will be able to

- Join courses
- See progress
- Teach themselves

3- PARENT INTERFACES

They will be able to

- See children progress
- Evaluate teachers
- Ask for private courses

4- PROFESSIONAL INTERFACE

they will be able to

- Join the platform
- Ask for professional training
- Exchanging technologies
- Learning new technologies

5- INVESTORS INTERFACE

they will be able to

- Ask for statistics in Education sectors
- Invest in education through our platform
- Follow and manage their investment
- Get Realtime report

6- MENTORS INTERFACE

they will be able to

- Assist teachers, student, professional

7- DONATION INTERFACE

it will allow us to collect fund for education purpose.

FEATURES

Our app will content many features based on what will learn from people, our bugs and our environment. We could have in future:

- Forum and chat spaces
- School content management system, to allow school directors to manage their school through our platform, they will be able to:
 - Create their school profile and get all our resources
 - Create account for teachers and students

- Manage Evaluation and time table
- Allow teachers to provide online course
- Track student progress

APP STRUCTURE OVERVIEW

