

Introduction names ()

how about SemaAfrica as a name? listening to that talk yesterday maybe we can brainstorm around names like that?

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Problem Statement

With the rise of speech disorders due to conditions like autism, down's syndrome and strokes there is a significant need for trained professionals to provide speech and language therapy for patients who suffer from speech disorders like stuttering, verbal dysplasia and speech delays.

On average, in kenya there are about 20 speech therapists registered with the Association of Kenya for Speech and Language therapists with an average of 7-10 Speech and language therapy assistants for each therapist. Majority of these are situated in Nairobi and a few other major cities. This makes access for patients living in rural areas to trained speech therapists difficult to impossible.

On average patients require 2-4 sessions a week for a minimum of 6 months to several years. For patients who do not live close to licensed therapists accessing treatment is challenging because in it is either too expensive or impractical. This means that a majority of patients children and adults remain untreated.

Our application is a way to bridge that gap by connecting licensed SLTS with trained professionals such as teachers and special needs coordinators all over Kenya to ensure that as many children and adults living with speech disorders are able to access treatment.

Market Research

Speech disorders on the rise due to conditions like autism, down's syndrome, stroke. For instance statistics indicate that 4% of kenya's population is diagnosed with ASD (Autism Spectrum Disorders) and 1 in 800 -1000 children born in kenya have DOWn's Syndrome. 40% of these present with hearing and speech impairment. These are just a few examples to give the scope of the problem) there are many, many more speech disorders ranging from mild to severe though acquiring statistics in Kenya is a challenge. Nevertheless, all of these people require or could benefit from speech therapy.

Based on preliminary research, a major speech and language therapy clinic associated with Gertrude's hospital sees an average of 700 clients each month. Many of these clients live in nairobi and thus are able to access therapy. Many more who come for initial consultations are unable to return due to various factors such as distance and cost.

Workflow as a team

Design process?

Mzaza and David are our backend developers ensuring a technically sound application that functions smoothly and Paulette and Zawadi are working on creating a smooth clean easy to use interface. As well as researching/ working with professionals in the field to ensure that the user's needs will be met.

MVP

The application should allow:

SLTS

1. SLTS to add new patients and create treatment plans for patients
2. View assistants by location
3. Approve curriculum from SLTA's
4. Track patients progress.

SLTA'S

1. Create curriculum based on treatment plans
2. Track patient progress

PARENTS

1. Track patients progress
2. Buy online curriculums
3. (Teletherapy) for patients (decide whether to include this in the presentation)

WIREFRAMES. PROTOTYPES and DEMO

So Far Authentication, Forms,

Potential Drawbacks Teletherapy (incorporating hardware), Google maps **How will we deal with them?** We are freaking ninjas!