

App name: **Opendoor**

2. **Problem background:**

The current social issue surrounding the pandemic threatens the possibility of a lower quality of education, a higher dropout rate and a low attendance rate amongst high school learners in South Africa. With the immediate effect of social distancing, teachers are restricted from one-on-one time with students. This impacts performance, the ability to track student progress and effectively deliver informed lessons leading to higher stress levels in both students and teachers. High school learners are said to suffer the most from depression and anxiety. **(Might need help formulating a concise problem statement for this)**

Solution

Learning management system that provides a personalized learning experience for high school students with the integration of a real-time messaging and feedback system between teachers and students, gamification (quizzes) , chatbot to assist with stress management, access to lessons, assignments, past papers and test outlines. We are hoping to enable teachers to create and publish lessons and this will be pushed out to a notifications section on the student's interface to keep them up to date.. We are also hoping to enable attendance and progress tracking.

3. **Some problems with development**

- Authentication
- Enabling the ability to create lessons and attach documents

4, **Assistance needed:**

Possible direction on the above needed

5. **Progress scale: 6**

6. **Hackathon experience:**

It is fun and engaging so far. Hoping to learn new ways of coding, designing and implementing ideas more efficiently