CYBER
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CHALLENGES

Improving people's healthcare quality:

Healthcare is a major concern in every society.Throughout the recent pandemic it has proved vital for the continuity of nations, and humanity all around.
Algeria in particular has a very weak healthcare system that confirmed insuffisant to the people's needs, not only that but it is also considered hardly efficient, urging the citizens to seek medical care and medicine in other countries.
These facts are not new to Algerian citizens, and in fact almost every Algerian is fully aware and agrees that the country's healthcare system is bad, but exactly how bad is it ?

- In 2019, Algeria's public healthcare network ranked as the 173rd most secure healthcare network out of 195 nations.

- In 2015, there were 250 operational private clinics, the presence of this private sector heightens disparity in the quality of care that the healthcare system provided to Algerians in different socio-economic classes.

- Due to an inability to provide physicians with the necessary equipment and a general lack of human capital, there were 17 beds per 10,000 Algerians, according to the World Health Organization (WHO) in 2015. Because of this limited hospital capacity, COVID-19 patients easily overran public healthcare in Algeria.

- Throughout the pandemic, government officials were notorious for failing to communicate with the public to slow the spread of the virus. Villages located further away from urban centers encountered these issues most prominently.

Source: BargonProject website

Insight

The title of the challenge **'Improving people's healthcare quality'** insights the area on which you will be working, that is, **people's** healthcare quality.
You must identify the major issues that an Algerian citizen is facing in the healthcare section and come up with a solution to improve the quality of this citizen's healthcare. In other words, your solution should focus on presenting tools and services that any Algerian individual can use to improve their healthcare quality.
Any tool that contributes to the wellness and health of this individual, is considered an improvement to their healthcare quality.

Judging criteria

The solutions are judged based on efficiency, effectiveness with respect to the aimed problem and feasibility in the Algerian society.

Easy access tools for reporting violence

Violence in all its forms; physical, verbal or harassment is a serious matter that can undeniably cause devastating damages and imbalance to one's life and even the entire society.
Algeria has witnessed many waves of violence, in all its various forms. Almost every Algerian citizen has felt the threat of being robbed, harassed, or simply unsafe while roaming the streets of Algeria, and this threat is even greater for women.

Some debate that the reason behind this violent behaviour is the inefficiency of the law enforcements, but looking at the most recent statistics, we can see that algeria has witnessed a -7.97 % decrease in homicide rate between the years 2014 and 2015, and even a greater decrease in the years before, indicating that algeria is making progress at limiting the violence rate.

Source: [Algeria-Homicide rate](#)

With the decrease of violence comes the realization that violence is not a normality, and must be stopped, and more Algerians are now aware of that, as many are making efforts to record, document and report violence, it is almost becoming a trend, one that the Algerian law enforcements can greatly make use of.

Insight

The road to limiting violence is far, but not too far, and we want you to help us reach it faster!
Having now understood how the algerian people can help decrease violence, you must create easy access tools that will allow them to do that anywhere, anytime.
The tool you create must not be harmful and must not insight violence in any way.
The tools you create are destined to normal individuals, in all possible scenarios, victime, witness or standby, so you must take that into account.

Judging criteria

The solutions are judged based on efficiency, effectiveness with respect to the aimed problem and feasibility in the Algerian society.

Aiding platforms for people in need

Poverty, homelessness, disease, disability and other forms of weakness and inability have long existed in every society.
Life as we know it can become very challenging to people having these issues.
Unheard of, their struggles grow even more challenging as time goes by.

According to the Central Intelligence Agency, the population below the poverty line in Algeria as of 2006 is estimated to be 25%, and rates of extreme poverty sit at 0.5%. However, 10% of Algeria's population is perceived to be susceptible to falling back into poverty if conditions conspire against them.

Source: The Borgen project

In addition to that, disability prevalence in Algeria is estimated to be 5.5%, or 1,088,000 to 1,605,160 people with disabilities. There are concerns however about underreporting of disability, particularly of people with intellectual or psychosocial disabilities;

Source: K4D

More people are resorting to social media, to post about their cases or other people's cases in need of help, and most of the time the public reach out to them and offer aid.

Insight

There is no question that there are people out there who want to offer help, your challenge is to make it easier for them.
You must create an aiding platform that displays different cases of people in need for the greater public.
Your platform must present all the required and necessary information about the cases.
The cases need to be well displayed, taking into account their severity and urgent need for help.
You must also implement means and tools to prevent the display of false cases

Judging criteria

The solutions are judged based on efficiency, effectiveness with respect to the aimed problem and feasibility in the Algerian society.

Improving Teacher-Parent communication in education

One cannot deny the importance of education to the foundation and strength of every country. a country with a strong educational system is a country that is solid, economically and that is more resilient to imbalance and crises.

The role of education in poverty reduction is huge. Some advantages of education are: it boosts economic growth and increases the GDP of a country. It even reduces infant mortality rate, increasing human life expectancy. Education is an important investment in a country as there are huge benefits.

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Source: [Kudroli Foundation](#)

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As a developing country, Algeria can certainly make a lot of changes to improve its educational system. One of those changes is establishing a new parent-teacher communication system.

Through regular communication with parents, teachers can share information about a student's good work and achievements. If a student begins to struggle with a certain subject or exhibits behavioral problems, the parent will already have a relationship with the teacher, which helps facilitate parent-teacher collaboration. This cooperative relationship empowers parents to step in and support the student at home, supplementing what the teacher is doing at school.

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Source: [School of Education](#)

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Insight

You have one objective and that is to improve Teacher-Parent communication so be creative but most importantly be effective.
you must create easy to use efficient tools that allow teachers and parents to communicate better, anytime, anywhere.
your solution must not violate teachers' and parents' rights and privacy, and must contain a mean to be monitored by the school.

Judging criteria

The solutions are judged based on efficiency, effectiveness with respect to the aimed problem and feasibility in the Algerian society.