

1. Survey friends, family, neighbors, classmates, etc.: What problem do you have that you would like to have a Website and/or a mobile app to help you solve?

- A. Person 1:** Weather App these days do not predict right weather. For example, if there's a storm it should give precise Information in the application itself saying how far the storm is and also, what should be done when storm approaches nearby. Just the warning shouldn't me notified but should mention precautionary measures for the worst cases too. Not everyone has an access to browse the internet about the measures when needed.

Person 2: Navigation apps should also mention the signal towers present throughout the path of destination. For example, traveling to a high altitude places cause breakage of signal connections. Notifying about such situations in prior manner, will be helpful in many ways unknowingly.

Person 3: Educational Apps or websites do not provide exact path way to desired dream job or work. Most of the students do not know what to study and where their interests lie because they do not have an idea of what kind of jobs are actually there. Googling might reduce such problem but it ends up confusing the people. A website or application which shows educational data, creating a pathway from start to the end really helps the students. No matter how old the student is, entering their educational background data and then app itself analyzing the available data from the internet, and creating a pathway to guide the student by showing them various options which eventually leads to the end point.

2. Look up to see what/if any solutions exist that could help each person with their needs/desires.

- A.** There are no such apps which eliminate the problems mentioned above. According to the google, Apple has suggested a Lightning prediction app but nothing related to storms or tornados or their precautions. There should be a helpful chatbot which works offline and answers your simple one word answer needed questions when there is absence of any form of guidance to the victims of storms, etc. There is an app called Cell Tower Locator in Google Play store which had 1M+ downloads but the rating still lies in 3.1 out of 5.0. The issues faced by the users is that it only shows the strength of the carrier in ones phone but not locate the physical location of the cell tower which isn't useful for the people outside the cellular area. We need something which tells us priorly that the signal is going to die at certain place and time. It should warn even before the harm is faced. There are no helpful apps or sites according to the needs of a student.

3.

- A.** As mentioned above, there are no solutions for the issues and even if there is, it does not meet the required criteria. The improvements are to be dealt with basic needs of the users based on current situations.

4.
A.

Person ID	Problem	App/Website found [name]/ None	Likes	Dislikes	Improvements
Person 1	Exact weather prediction and displaying necessary precautionary measures in the offline mode. In the future, helping the users with a chatbot answering questions related to the incident.	None	None	None	App or website should be built considering the highest requirements of the users.
Person 2	Notifying weakening of signal strength in the absence of cell towers by sending alerts to the users based on the live location.	None	None	None	Very much needed to avoid any accidents which can be predicted so that they can send a SOS to the police or medical or fire department and to the closest one.
Person 3	Educational Pathway for the students.	None	None	None	There's already data in the google but have to simplify and should display it in student friendly manner.