

Smart Neighbours

What problem are you trying to solve?

We are solving the question about smart neighbourhoods and making the city even more connected. We want to connect neighbours with one another through the use of technology in order to create a more integrated society in which people work together to reduce their carbon footprint and increase a sense of community.

How do you plan to solve the problem?

We will create an app/website which encourages neighbours to engage themselves socially, through connections, sustainability and security. The app/website will consist of those three sections and will take the users address when they provide their personal number. We will then have 3 levels of focus, your staircase, your building and your local area where users can get connected, collaborate on sustainability and even improve security in their area.

Prototype: <https://lhareesign.github.io/SmartCityHackathon/index.html> (press QR code on BankID page to go further)

How do you plan to make this solution a reality? Do you have an action plan?

We will get funding from the municipality and local advertising. In terms of the apps functionality, the user provides their CPR number which we then use to access their address from an API. To access this information we will require the correct permissions. Providing the users log in with their CPR numbers, we have all the required data - the local news and weather reports we can access via APIs. The risks for the app are inappropriate use in terms of images and text. The prototype will be ready within 6 months. From there it will take a further 3 months to develop the full app, 2-3 months trial, 1 month fixing bugs. Current technology is mature enough and initially requires a team of developers to create the app. Thereafter, a team of developers to maintain, test and further develop the app.

Why is your solution innovative?

The solution is innovative as it takes users addresses and then automatically assigns them to their staircase, building and local area based on their address in order to connect them to their closest neighbours. From there, all the information is pooled into one place within this app. There are elements of other websites/applications that are similar, however there is not currently an app that has successfully pulled together all of the parts that we are looking at or succeeded in bringing neighbours closer together.

How scalable is your solution?

Most people in society are not particularly well connected to their neighbours, so this solution is targeted at the majority of citizens. Initially the demand would be communities within one town, for example if we were to launch the product in Helsingborg. From there, this could be extended to the major towns and cities within Sweden, and then eventually to the smaller towns and villages and the rest of the Nordic countries. Customers would not initially be willing to pay for an app they have little knowledge of. We would earn money by selling the app to the municipalities and also through offering local advertising on the app. For the more users we have, we would need to be able to handle more data and therefore require multiple servers. In terms of the app itself, increased usage would not be an issue.

How does your solution make an impact?

The improvements would be experienced by all within society, given they will have a closer connection with their neighbours and decrease the feelings of loneliness within society. The aim would be that they would also work together to improve their environmental responsibility and reduce their carbon footprints, hopefully having a lasting affect on how we view our communities.

Is your solution built on prototype or is it a conceptual solution?

Prototype

Link to your pitch video (on Youtube, Google Drive or Vimeo)

https://www.youtube.com/watch?v=nAfW52-nvYU&feature=youtu.be&ab_channel=HardMulti