

Connected Hearts

Houston Hackathon 2019

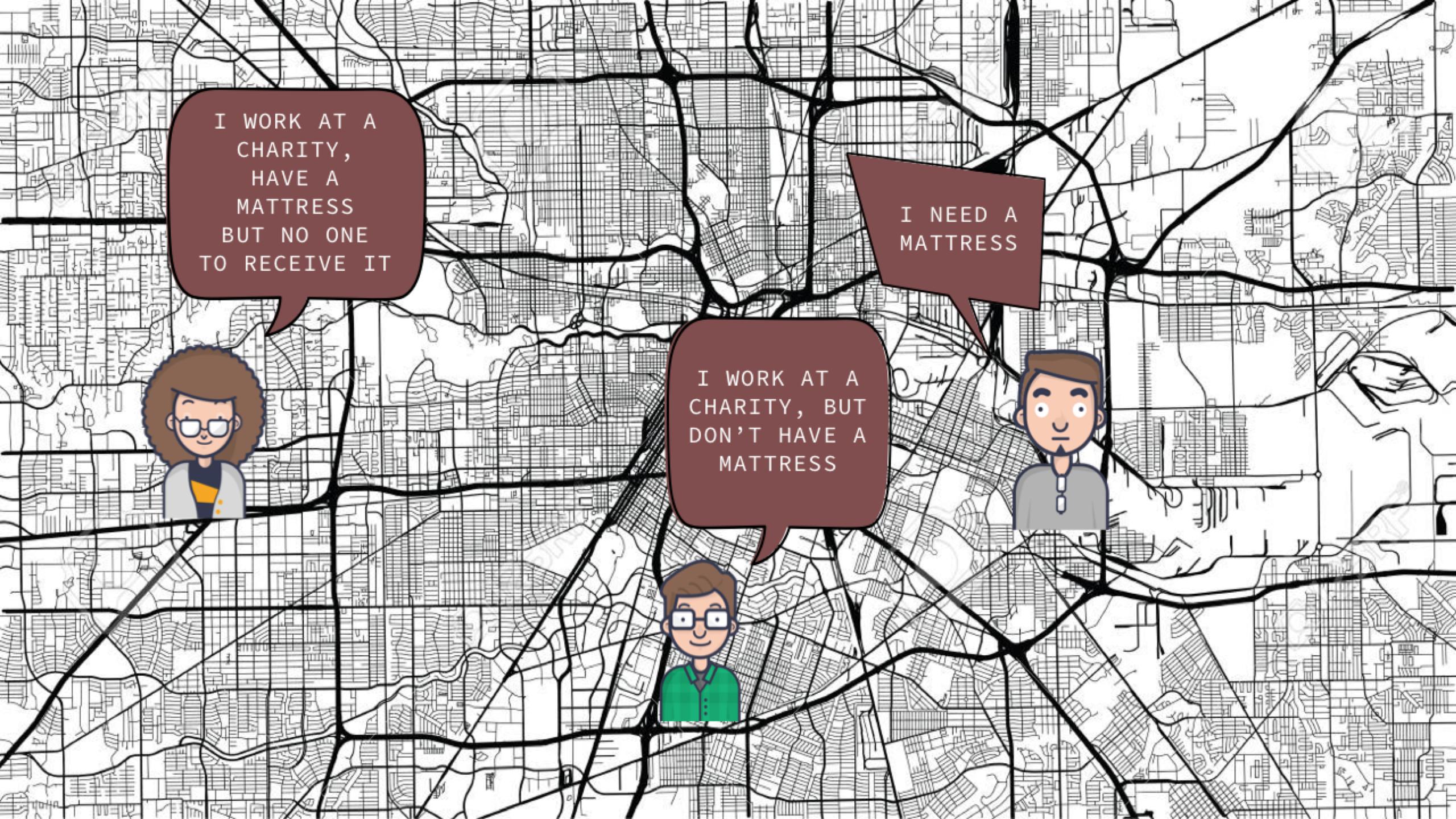
Danilo Martins

Diego Volpato

Vitor Henrique

The problem

- ▶ Small donation center have better understanding of community necessities but might lack resources
- ▶ Lack of communication among small donation nucleus around the city.
- ▶ A not addressed need inside a community hardly finds help outside of it
- ▶ Donors may not have time or means to transport their donations



I WORK AT A
CHARITY,
HAVE A
MATTRESS
BUT NO ONE
TO RECEIVE IT

I NEED A
MATTRESS

I WORK AT A
CHARITY, BUT
DON'T HAVE A
MATTRESS

How Connected Hearts can help Houston

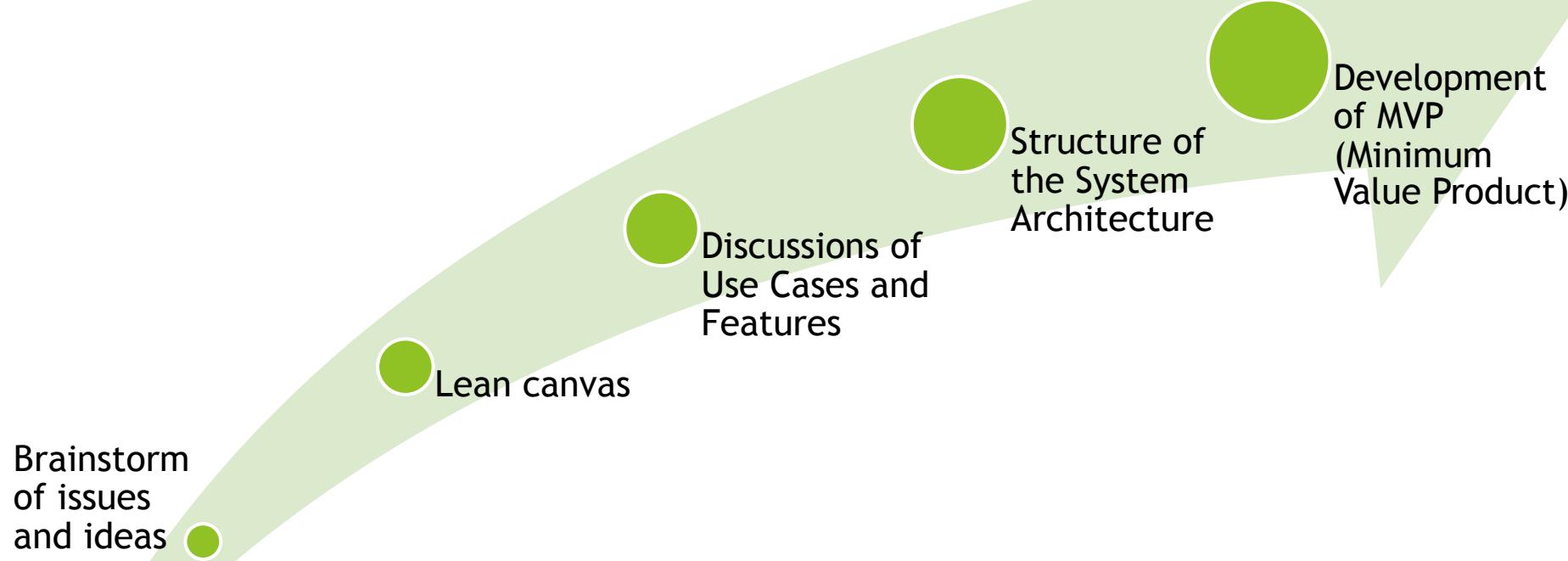
- ▶ We connect local communities and create a network covering the whole city of Houston.
- ▶ Allow volunteers to provide transportation for donated items.
- ▶ Item search in all registered institutions.



Demo

<http://192.168.1.144:8000/>

Project Storyline



The future of Connected Hearts

- ▶ Complete of the main stream use case, test and deployment
- ▶ Register local charity institutions

The future of Connected Hearts

- ▶ Search items in inventory
- ▶ Send message to volunteers nearby that an item is available to pickup
- ▶ Bar code scanning
- ▶ Recommend donation pickup bundle to optimize transportation
- ▶ Tax report for the donnors
- ▶ Map (GIS) showing pickup places and destinations
- ▶ Automated matching of current inventory and requested items