

# 07-Ideas

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## Overview

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- 07-Ideas
  - Overview
  - Think
    - 100 Words
    - 10 Sentences
    - Select & Rate
  - Sketch
    - Idea
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## Think

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### 100 Words

Goal: Get rich pictures

- Kiddo: Blocks, Garden, Icescream, Bicycle, Football, Goalkeeper
- Bags: After Shopping Presentation, Kathrin, Gucci, Searching, Missing,
- University: Furtunty, Physics, Mathematics, Marketing, Project Managment, Discreptance
- Iot: Smart Clothes, ESP22, Particle Photon, Humidity, Heartbeat, Temperature
- Kilt: Paris, Workshop, Dudley, Presentation, India, Identification, Certifcate, Heatlh
- ...

 Always look for words which cover rich pictures.

### 10 Sentences

- Iot - Humidity - Climate Change - Keep your City Healthy - 5
- Kiddo - Goalkeeper - Football - Train your Up, Invest in uprising stars - 5
- Bags - Searching - Real Life Search - Track your Items- 3
- University - Discreptance - Dating - Aligmnetscoring - 2
- Kilt - Workshop - ... - 0

### Select & Rate

Selected: Citor - Keep your City Healthy

## Idea

Problem: Cities have a bad Climate

Idea: Citor - Keep your City Healthy

Solution: Citor.xyz

## Requirments

### Functional Requirments

- The SmartContract must be able to controll right funding
- The User must Allow to post Sensor Data
- The GasSensor must be able to store Data

### Non Functional Reuqirments

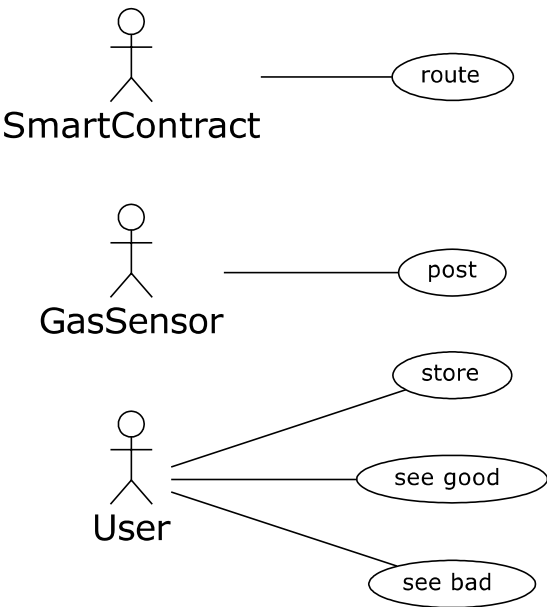
- Cities must be attracked to it

## User Stories

- As a User I want to store my Sensor Data manually
- As a User I want to see which area is the worst
- As a User I want to see which area is the best
- As a GasSensor I want to post my data easily
- As a SmartContract I want to be able to route funding

Diagrams

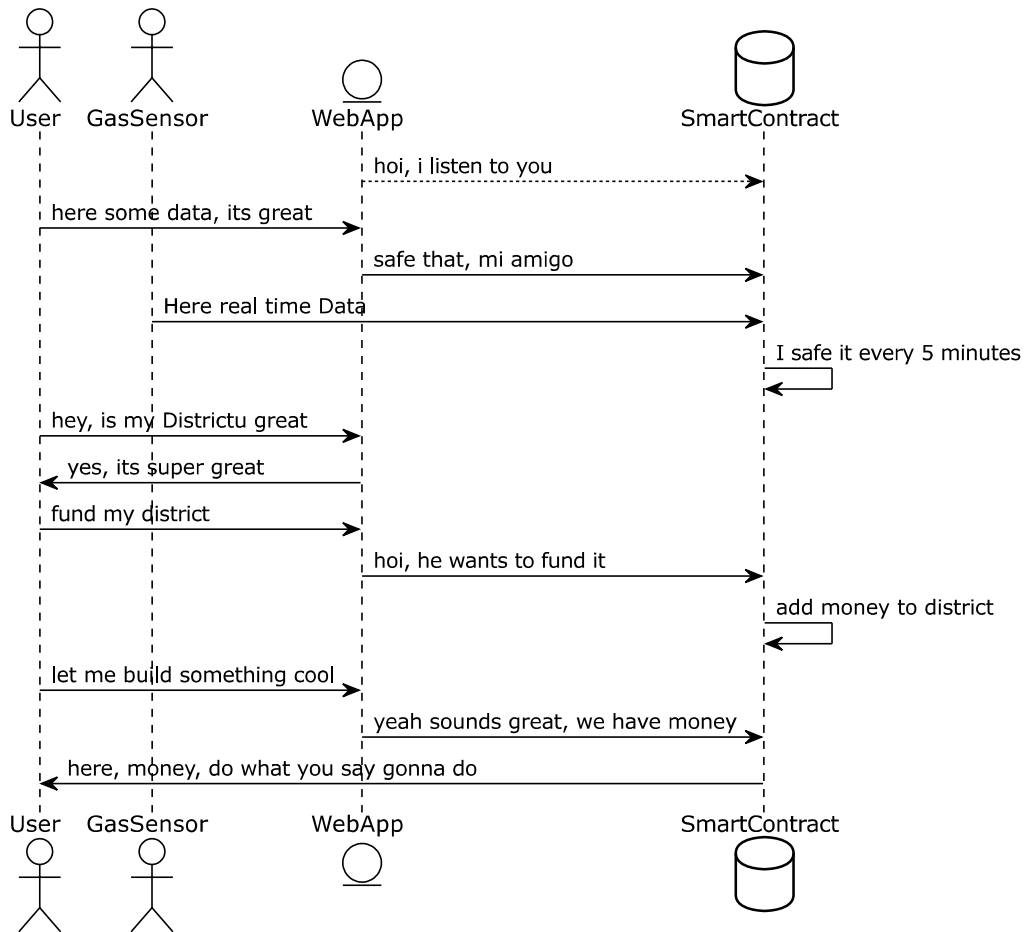
UseCase



Class

© Citor
o area: distrcitcs[] o gasData: String
o store(_gasData: String) o get_gas_data(): String o add_district(_district: District) o is_good(_district: District): String

# Sequence



```
#![cfg_attr(not(feature = "std"), no_std, no_main)]

#[ink::contract]
mod citor {
    use ink::prelude::string::String;

    #[ink(storage)]
    pub struct Citor {
        value: bool,
        area: String,
        gas_data: String,
    }

    impl Citor {
        #[ink(constructor)]
        pub fn new() -> Self {
            Self {
                value: true,
                area: String::from("Area52,"),
                gas_data: String::from("5,Good; "),
            }
        }

        #[ink(message)]
        pub fn get_area(&self) -> String {
            self.area.clone()
        }

        #[ink(message)]
        pub fn add_area(&mut self) {
            self.area.push_str(" Area 53,");
        }

        #[ink(message)]
        pub fn get_gas_data(&self) -> String {
            self.gas_data.clone()
        }

        #[ink(message)]
        pub fn flip(&mut self) {
            self.value = !self.value;
        }

        #[ink(message)]
        pub fn get(&self) -> bool {
            self.value
        }
    }
}
```

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## Outro

- Think, Sketch, Paint
- Adaptable
- Potential