# 02-Ideas

- Youtube ()
- <u>PDF ()</u>
- <u>Code ()</u>

# Overview



☑ I'm Frank



- ✓ Words
- Sentences
- Rate
- Select

# Sketch

- Idea
  - Problem
  - Solution
- Requirments
  - ☑ Functional Requirments
  - ✓ Non Functional Requirments
- Stories
- Diagrams
  - UseCase
  - Class
  - Sequence

# Paint

- ✓ cargo contract build
- ☑ cargo contract call

# Outro

- ✓ What: Think, Sketch, Paint
- ✓ How: Markdown, UML, ink!
- ☑ Why: Fast



## **6** Goal Write 100 Words

Words				
monkey	hea <b>l</b> th	orthesis	services	craftsmens
lawyer	packaging	wallpainting	iot	ar
xr	mr	art	3d	2d
krita	blender	figma	uiux	thailand
city	funding	germany	azerbajan	kyrgystan
poltics	state	statesmen	light	physics
chemisit	bilogist	germanist	lingustic	ethics
religion	school	education	chair	fashion
online shops	jackets	consulting	lawyer	games
mmorpg	spaceships	rockets	asteroids	planets
solarsystem	cars	tractors	farming	food
banana	dirt	excavator	neurofeedback	construction
datastructures	youtube	facebook	whatsapp	tinder
bumble	erotic	internet	history	technology
sitting	walking	sports	atheltics	fitness
rope jumping	inline skating	skating	music	r&b
rock	metal	electro	electro swing	jazz
piano	instruments	gitare	eyes	mouth
ears	senses	conductor	capacity	newton
joule	gravity	cpu	memory	personalities
sub0	polkadot	smart contract	xcm	2024

**o** Goal: Write 10 sentences & rate it

Name	Catchphrase	Rating
Craftsmen Tooling	Track your productivity	6
Digital Production	Distrubte your creations	2
Corruption	keep politicans accountable	7
Clothes	your clothes your production your distrubtion	4
History	real history safe for the history no screwnity	5
Universe	own your new planet	3
Chemistry	fund the unkown	7
Sports	get fair training	2
Instruments	you voice your song	2
Hardware	opensource next level	4
Calender	time can be diffrent	2

**o** Goal Select: Chemistry - Fund the unkown



#### Idea

#### Problem

Fund research with unknown outcome is diffcult

#### Solution

research.xyz

### Requirments

#### **Functional Requirments**

- The app must allow the User to login
- The contract must fund projects
- The contract should be apply for funding

#### Non Functional Requirments

• The smart contract must be accesible to everyone

#### **Stories**

#### **User Story**

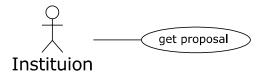
- As a User I want to be able to login
- As a User I want to overivew the current funded projects

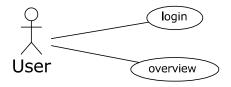
#### **Instituion Story**

• As a Institution I want reliable funding proposals

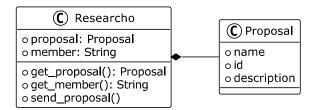
# **Diagramms**

#### Use Case Diagram

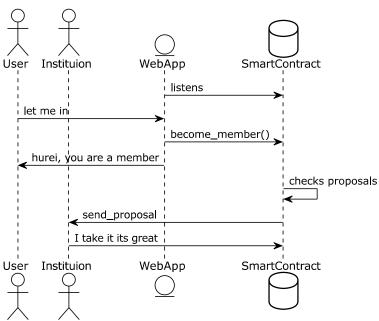




Class Diagram



#### Sequence Diagram



```
#![cfg_attr(not(feature = "std"), no_std, no_main)]
#[ink::contract]
mod researcho {
    use ink::prelude::string::String;
    #[ink(storage)]
    pub struct Researcho {
        value: bool,
        proposal: String,
        member: AccountId,
    }
    impl Researcho {
        #[ink(constructor)]
        pub fn new() -> Self {
            Self {
                value: true,
                proposal: String::from(""),
                member: AccountId::from([0x0;32])
            }
        }
        #[ink(message)]
        pub fn get_proposal(& self) -> String {
            self.proposal.clone()
        }
        #[ink(message)]
        pub fn become_member(&mut self){
            self.member = self.env().caller();
        #[ink(message)]
        pub fn get_member(&mut self) -> AccountId{
            self.member
        }
        #[ink(message)]
        pub fn send_proposal(&self) {}
        #[ink(message)]
        pub fn flip(&mut self) {
            self.value = !self.value;
        #[ink(message)]
        pub fn get(&self) -> bool {
            self.value
    }
}
```