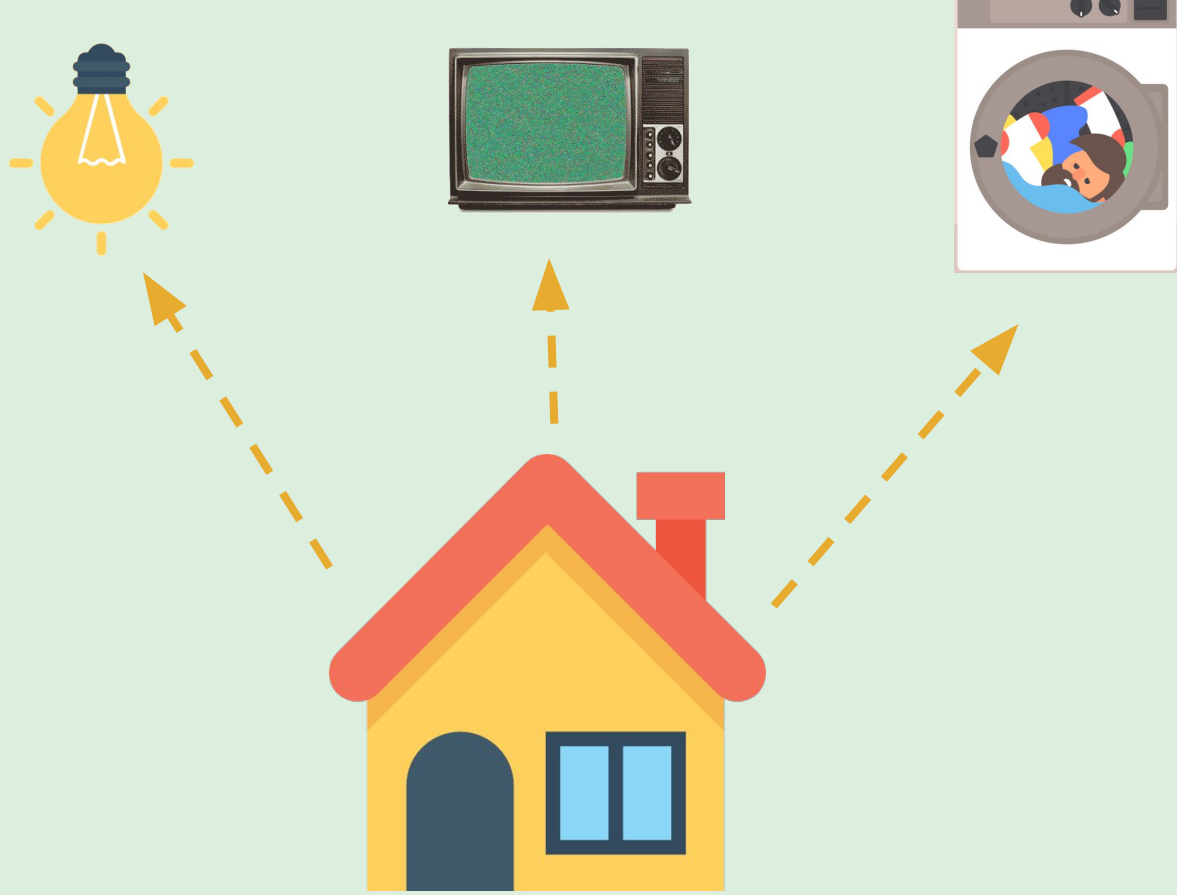




*Electric consumption*

# Introduction



# Requirements

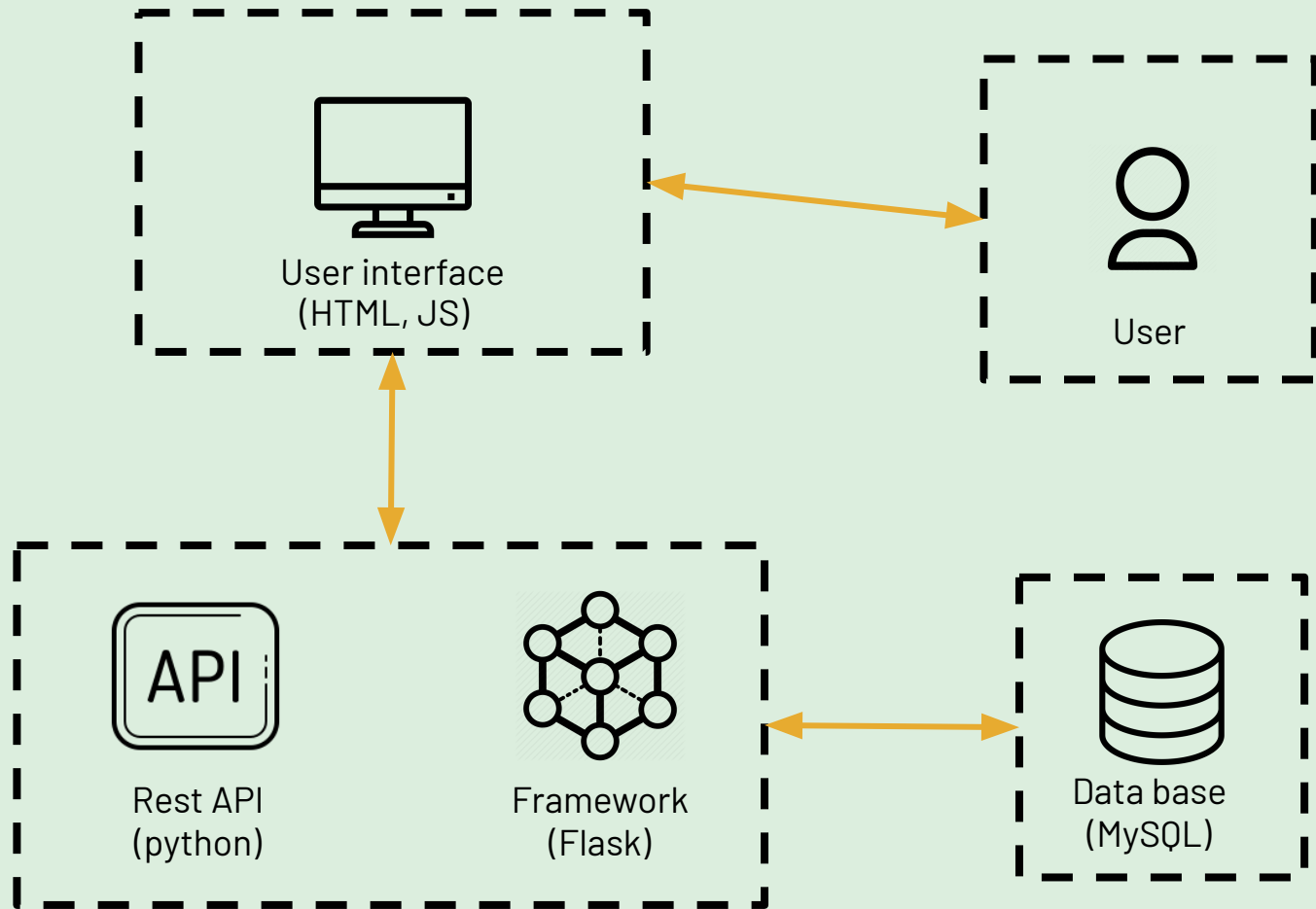
## Front end

- Login
- Home
- Reports
- Logout
- CRUD Room
- CRUD Floor
- CRUD Stage
- CRUD Devices
  - Sensor
  - Product
- Profiles
  - User
  - Administrator

## Back end

- Data base
- Connection with python

# System architecture



# Update

- A. Data base
- B. API (python)
- C. CRUD User
- D. Create Room
- E. Create Floor
- F. Create device
- G. Reports

- Improve the database
  - Improve design
  - Reports



*Analysis*

*Empathize with the user*

*Encuesta*

*Empathize with the user*

*Dibujos  
usuarios*



*Uses cases*

*casos de  
usuarios*

*Design*

# Mockups

- Login
- Homepage
- Create usuario
  - Usuario 15 max
  - Password min 8
- Create stage
- Create room
- Create floor
- Create device
  - Create categories
  - Unique names
- Reports

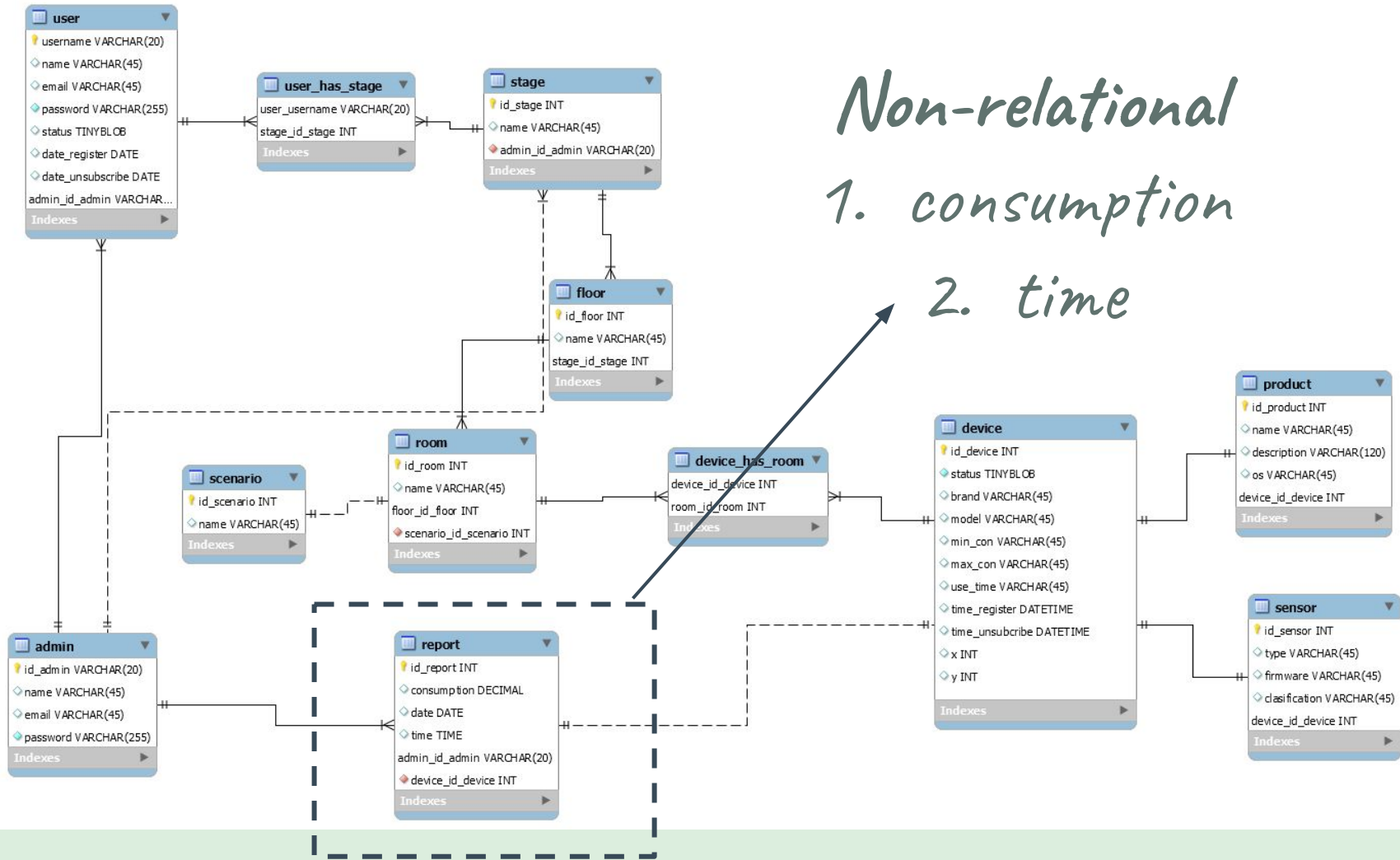
*User satisfaction*

*CSUQ*

*Computer Usability Satisfaction Questionnaires*

*Backend*

Non-relational  
1. consumption  
2. time



# What's next?

## *Update*

Update the  
characteristics of  
the data to be saved

## *Validation*

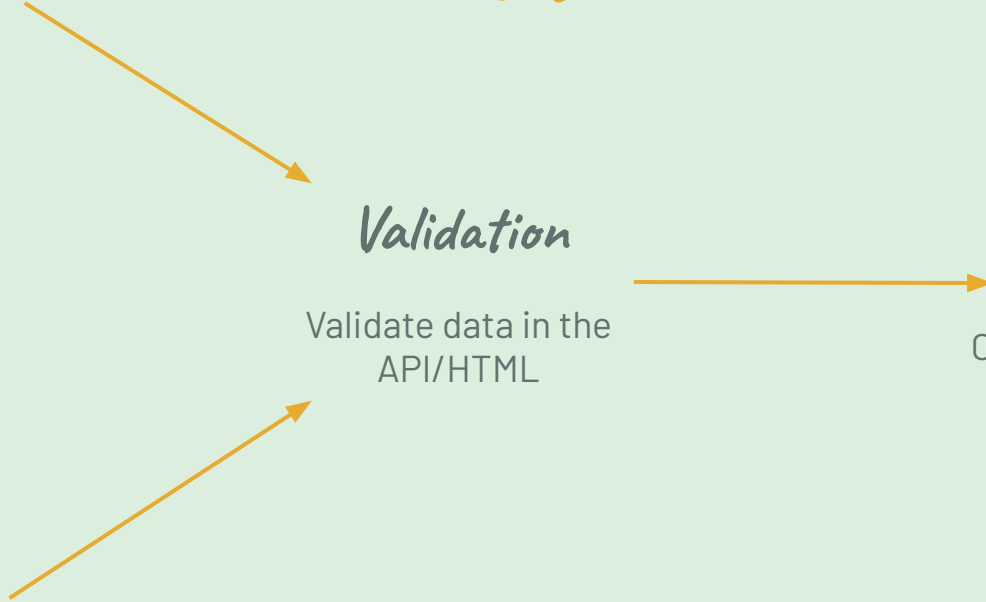
Validate data in the  
API/HTML

## *Test*

Check for errors

## *Develop*

Create Home page  
Create User  
Create Stage  
Create Device  
Create Room \*  
Create Floor \*



Sprint (2 semanas)	Actividad	Dificultad	Tiempo (horas)	Check
1	Diseño / prototipos y base de datos	8	20	
2	Create home page	5	12.5	
	Create User	8	20	
	Create Stage	5	12.5	
	Create Device	5	12.5	
3	Create Floor	13	32.5	
	Create Room	8	20	
4	Create Reports	20	50	
5	Update User	1/2	1.25	
	Update Stage	2	5	
	Update <u>Room</u>	5	12.5	
	Update Device	1	2.5	
	Delete User	1	2.5	
6	Delete Stage	13	32.5	
	Delete Room	3	7.5	
	Delete Device	1/2	1.25	
	Login	3	7.5	
	Logout	1/2	1.25	
		<b>Total:</b>	<b>233.75</b>	

# Planning

Tasks		To do	In progress	Done
Análisis				
Diseño				
Implementación	Front Homepage	Erick	X	
	Front Crear usuario	Erick	X	
	Front Crear stage	Benny	X	
	Front Crear device	Benny	X	
	Validación de datos Homepage	Erick	X	
	Validación de datos Usuario	Erick	X	
	Validación de datos - Stage	Benny	X	
	Validación de datos - Device	Benny	X	
	Actualización de datos	Fernanda	X	
	Conexión a DB - Homepage	Fernanda	X	
	Conexión a DB - Crear usuario	Fernanda	X	
	Conexión a DB - Crear stage	Fernanda	X	
	Conexión a DB - Crear device	Fernanda	X	
Test	Home page		X	
	Crear usuario		X	
	Crear stage		X	
	Crear device		X	