

# Loss and Damage Funds

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**REST-API**

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Final Project, Web Service Class

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January 27, 2024

## 1 Motivation

## 2 Loss & Damage Funds

## 3 Development Process

## 4 Work Done

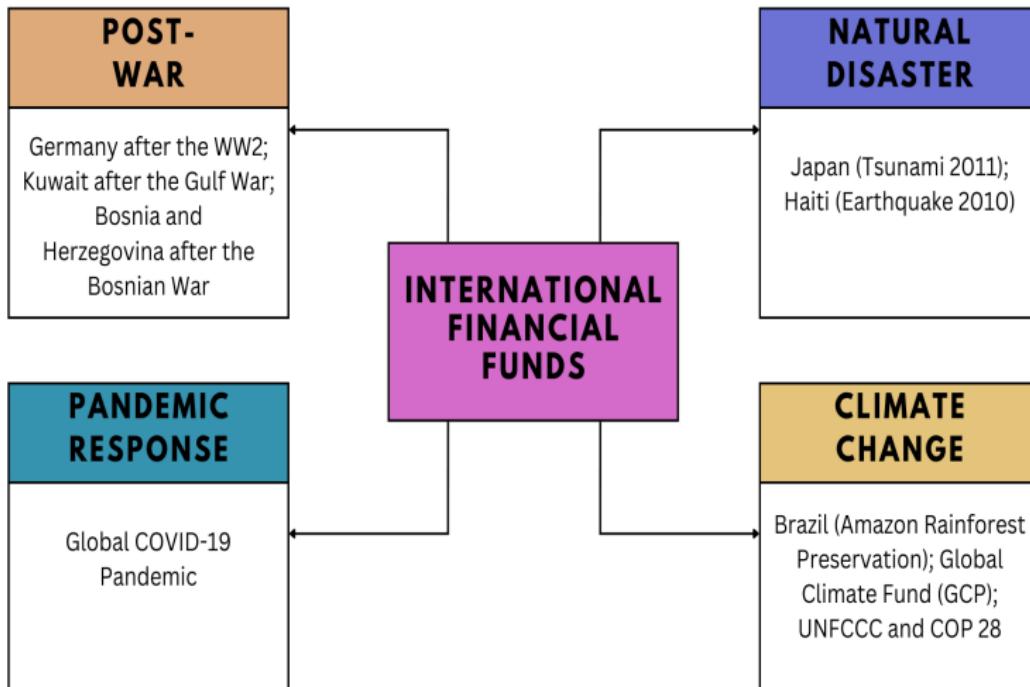
## 5 Work Plan

# Motivation

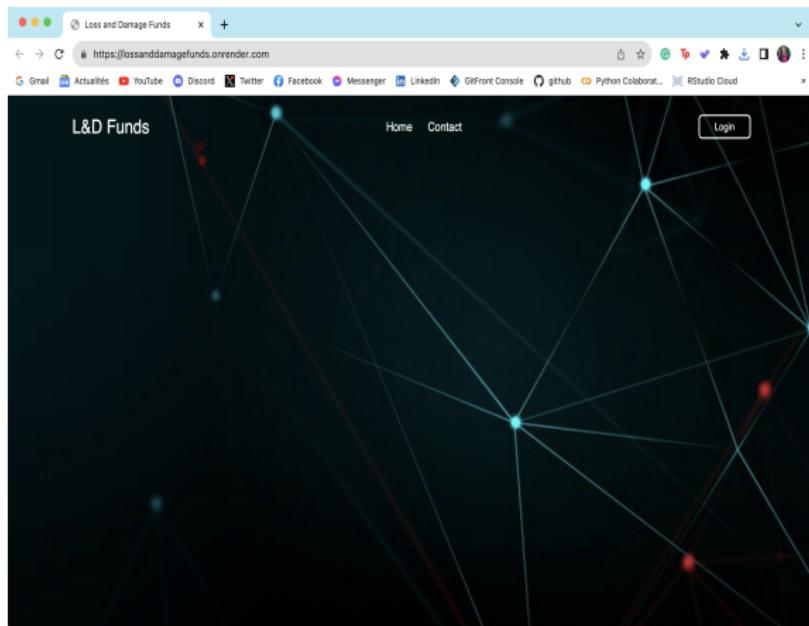


- ◀ How can a country rebuild itself after a destructive war?

# Motivation

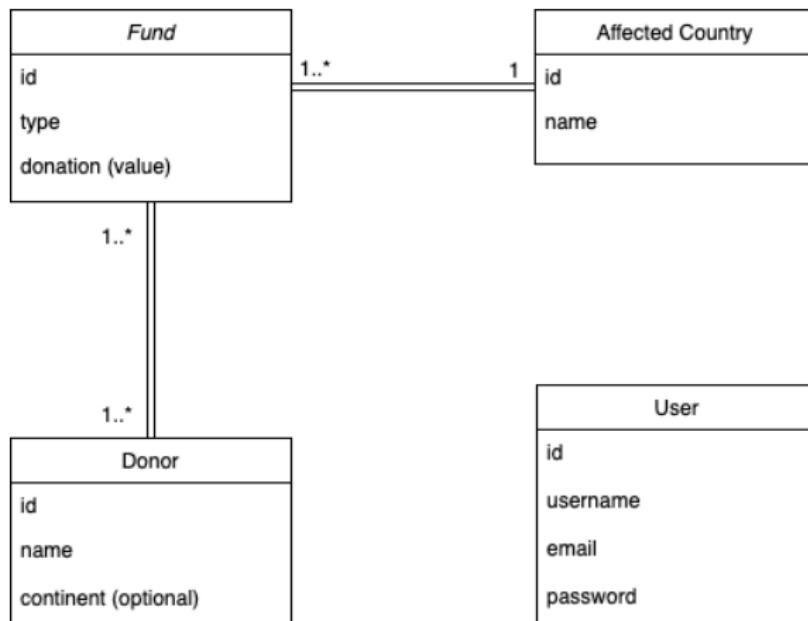


# Loss & Damage Funds



- ▶ Web Service to manipulate international financial funds

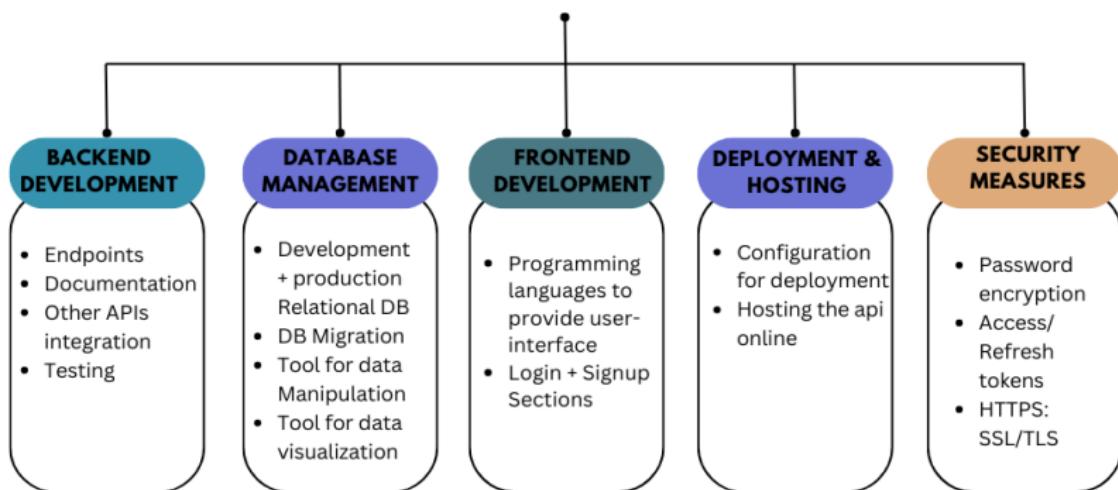
# Loss & Damage Funds



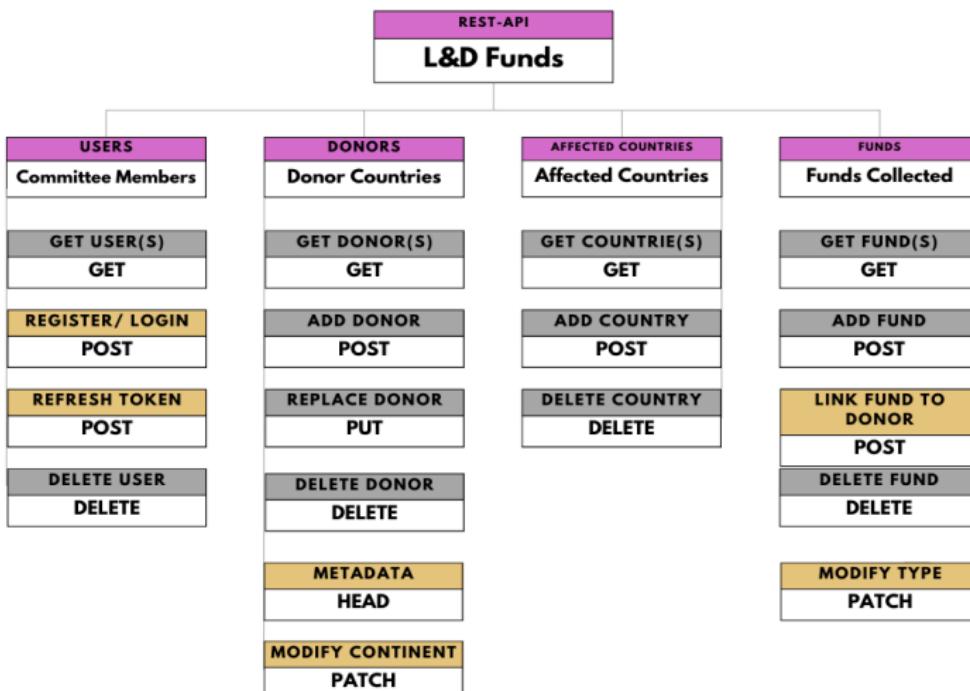
- ▶ Web Service that coordinates between 4 main databases.

# Development Phases

## 5 Main Blocks



# Backend Development



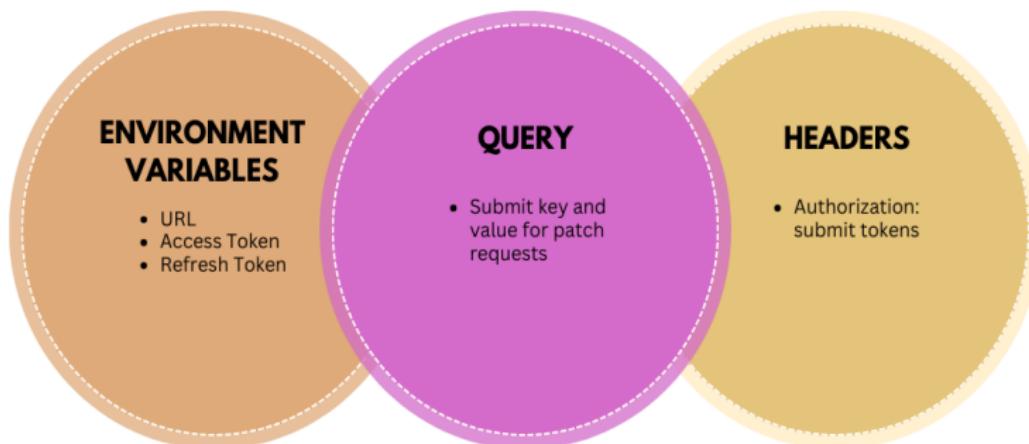
# Backend Development

- ◀ Other APIs have been employed:



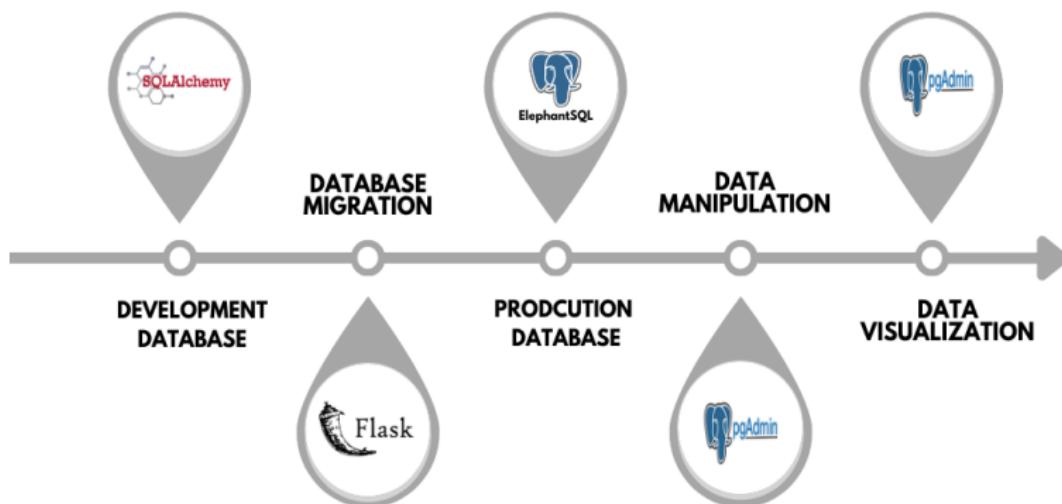
# Backend Development

- ◀ Insomnia/ Postman for testing; Features employed:



# Data Management & Visualization

- ◀ Different Python libraries and tools were implemented:

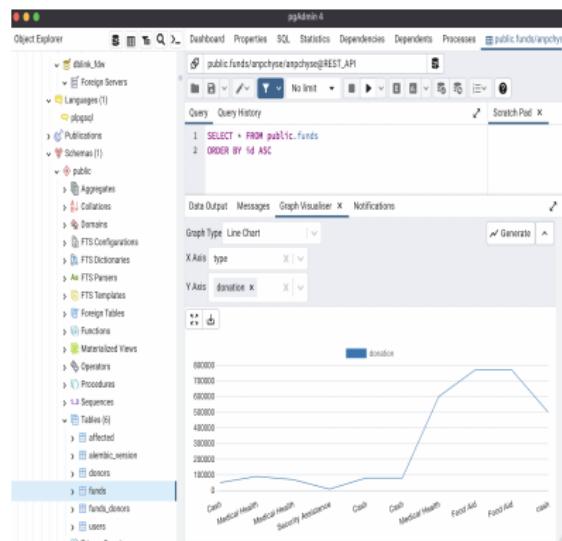


# Data Management & Visualization

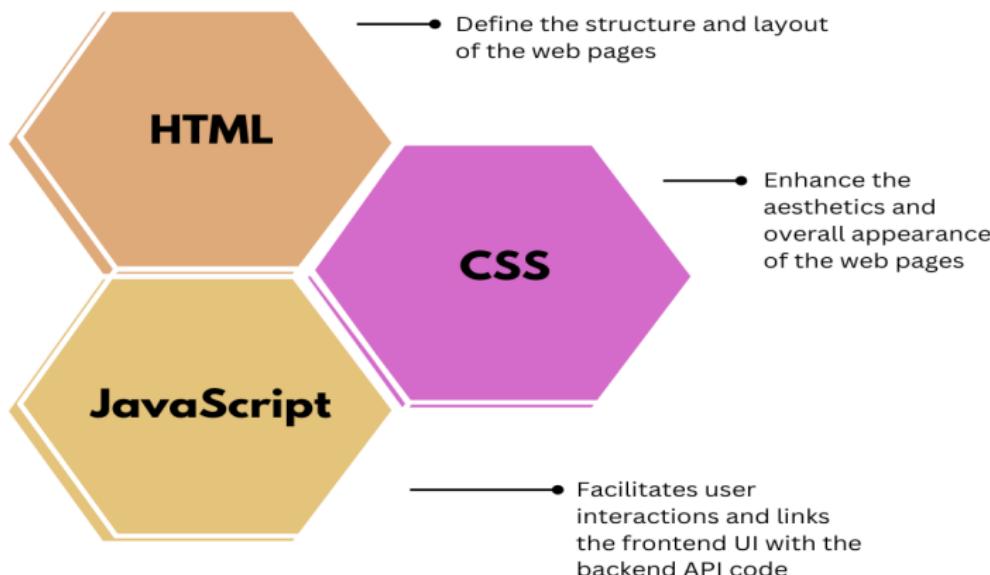
- ◀ Querying & Visualizing the production database with pgAdmin4:

The screenshot shows the pgAdmin4 interface with the Object Explorer on the left. Under the 'public.donors' schema, a table named 'donors' is selected. The table has columns: id (PK integer), name (character varying(90)), and confirmed (character varying). The data output shows the following rows:

ID	Name	Confirmed
1	Tunisia	[null]
2	KSA	[null]
3	UAE	[null]
4	Qatar	[null]
5	Egypt	[null]
6	Algeria	[null]
7	Morocco	[null]

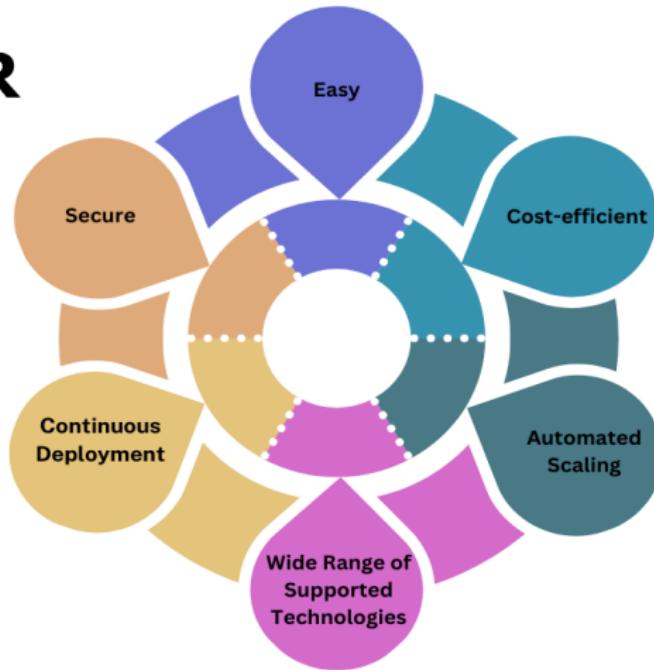


# Frontend Development



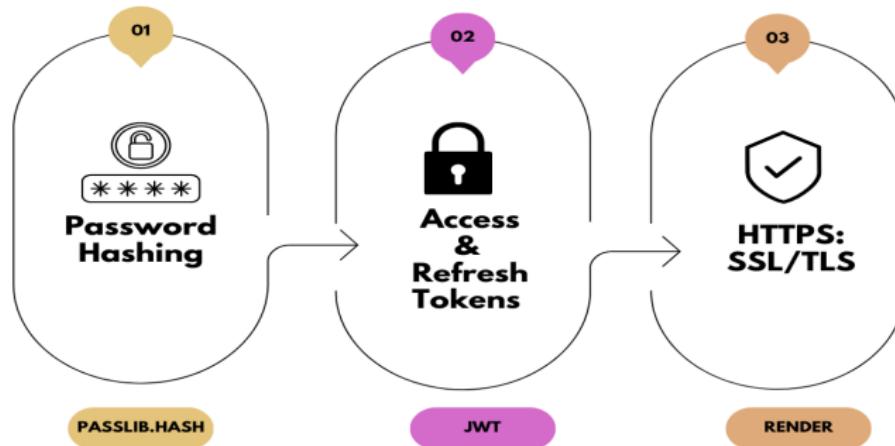
# Deployment & Hosting

⚡ RENDER

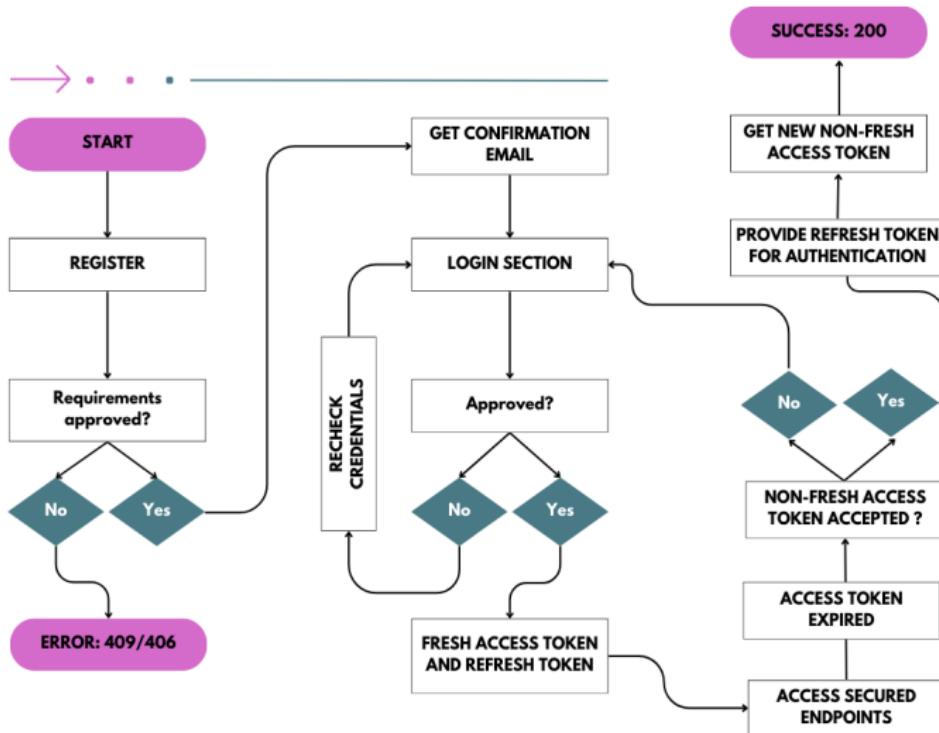


# Cyber Security Measures

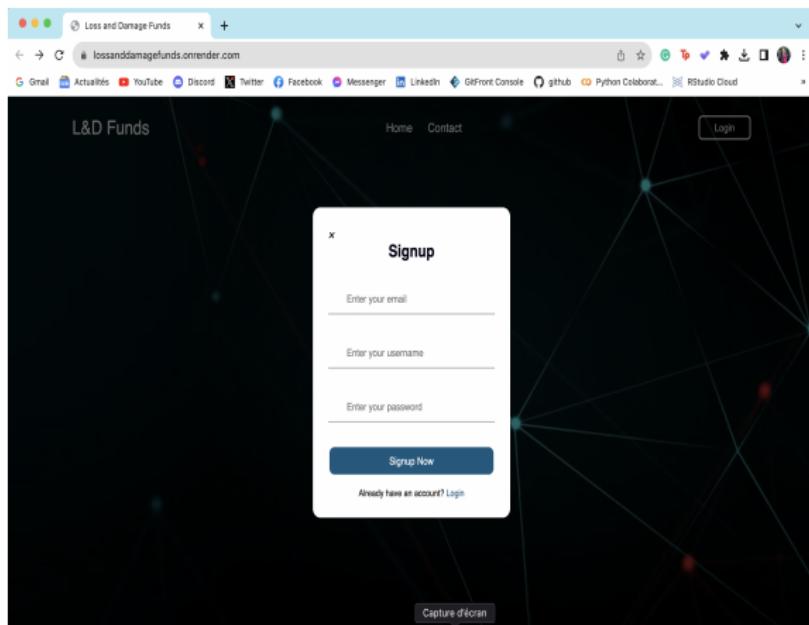
- Three different levels of security are integrated:



# Access/Refresh Tokens Protocol:

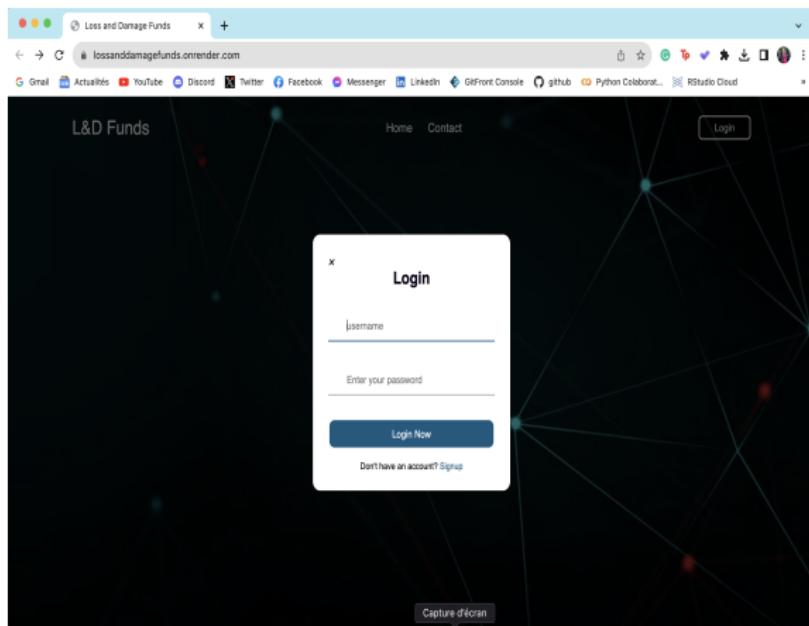


# Work Done



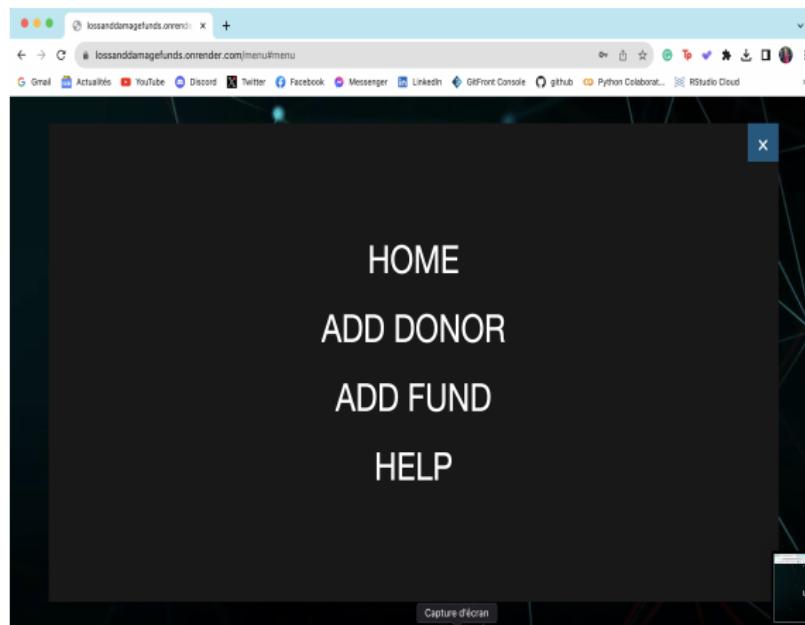
◀ Signup Section

# Work Done



◀ Sign in Section

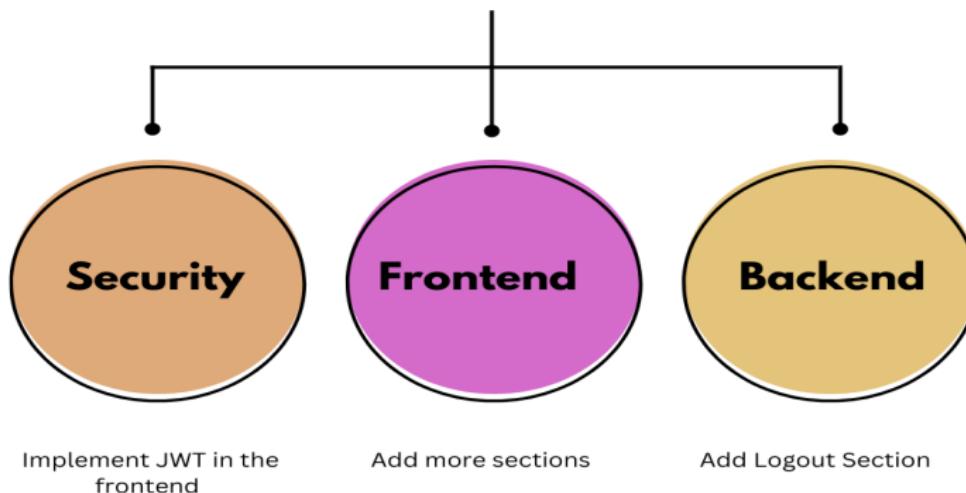
# Work Done



◀ Menu Section

# Work Plan

## Next Steps



*Thank you for your attention!*