I want to build a cryptocurrency arbitrage system on Base Chain using flashloans. Please guide me step-by-step on how to accomplish this and make it with me along, referencing official Aave documentation and including explanations of the following aspects:

- Im not an expert on programming or smart contracts

- Security

It has to be secure and protected against attacks, just as sandwich, reetrancy, and any other attack.

-Executes trades across this multiple DEXes:

1. aerodrome

2. uniswap v3

3. uniswap v2

4. alien base

5. sushiswap v3

6. pancakeswap AMM v3

7. baseswap

8. swapbased

9. maverick

10. balancer v2

- Oracles: for using real prices to make the transaccions for the profitable arbitrage

-Libraries: give me the links or comand to install all the required libraries on the project file on visualstudiocode with the terminal

-Other important aspects:

we are using base chain testnet firstly, because we are going to do tests before running it on base chain mainnet

we are using the last version of solidity to mitigate vulnerabilities

we are using hardhat

we are using ethers.js

we have an alchemy account

we have a sepolia testnet wallet

The name of my file where im building this project is named: "basels", in my winidows 11 laptop with visualstudio code

get the abi's routers and factory for each contract of each dex we are going to use mentioned above (i think we can install them with some commands)

create the scripts (js and/or ts) files for the project

Tell me how the project its gonna be structured with files

give me instructions of what else we are missing to build this project

lets go

para quitar lo verde

git add .

git commit -m "Commit inicial"

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