

# ELIXIR RECORDS

## PROGRAMMING SCALABALE SYSTEMS

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# ¿WHAT IS ELIXIR RECORDS?

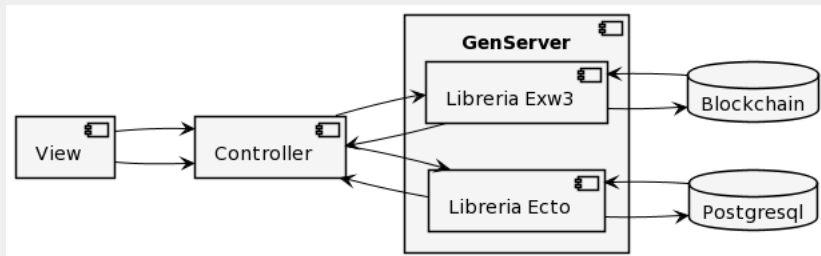
## Objective

Web application to register users assistance to events.




ELIXIR RECORDS

# PROJECT ARCHITECTURE



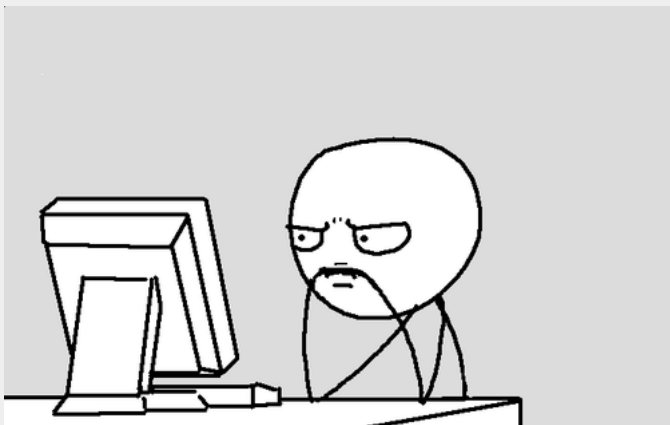
# ERROR KECCAKF1600

- **ABI:** keccakf1600\_orig > 2.0.0 (app: keccakf1600)
- **Blockchain:** keccakf1600\_orig > 2.0.0 (app: keccakf1600)



```
** (Mix) Could not compile dependency :keccakf1600, "/home/$USER/.mix/rebar3 bare compile -  
-paths="/home/$USER/Documents/ScalableSystems/ElixirRecords/_build/dev/lib/*/ebin"  
command failed. You can recompile this dependency with "mix deps.compile keccakf1600",  
update it with "mix deps.update keccakf1600" or clean it with "mix deps.clean keccakf1600"
```

# ELIXIR WORKERS



- **Ecto:** Communication with the data base, *Postgresql*.
- **Exw3:** Communication with the blockchain network, *Ganache*.
- **GenServer:** Communication between the client and the different services.
- **Milligram:** To improve the web page style.

## Advantages

- Allows basic functionalities.
  - ▶ Deploys Smart Contracts.
  - ▶ Creates new users.
  - ▶ Interacts with Smart Contract.
  - ▶ Sends transactions.
- Easy to use.
- Brings all the necessary dependencies by default.

## Disadvantages

- Lack of documentation.
- Some methods are implemented but doesn't seem to work.
- Only compatible with Ethereum networks, like Ganache.
- It seems impossible to recover blockchain events.

