

Smart Mirror

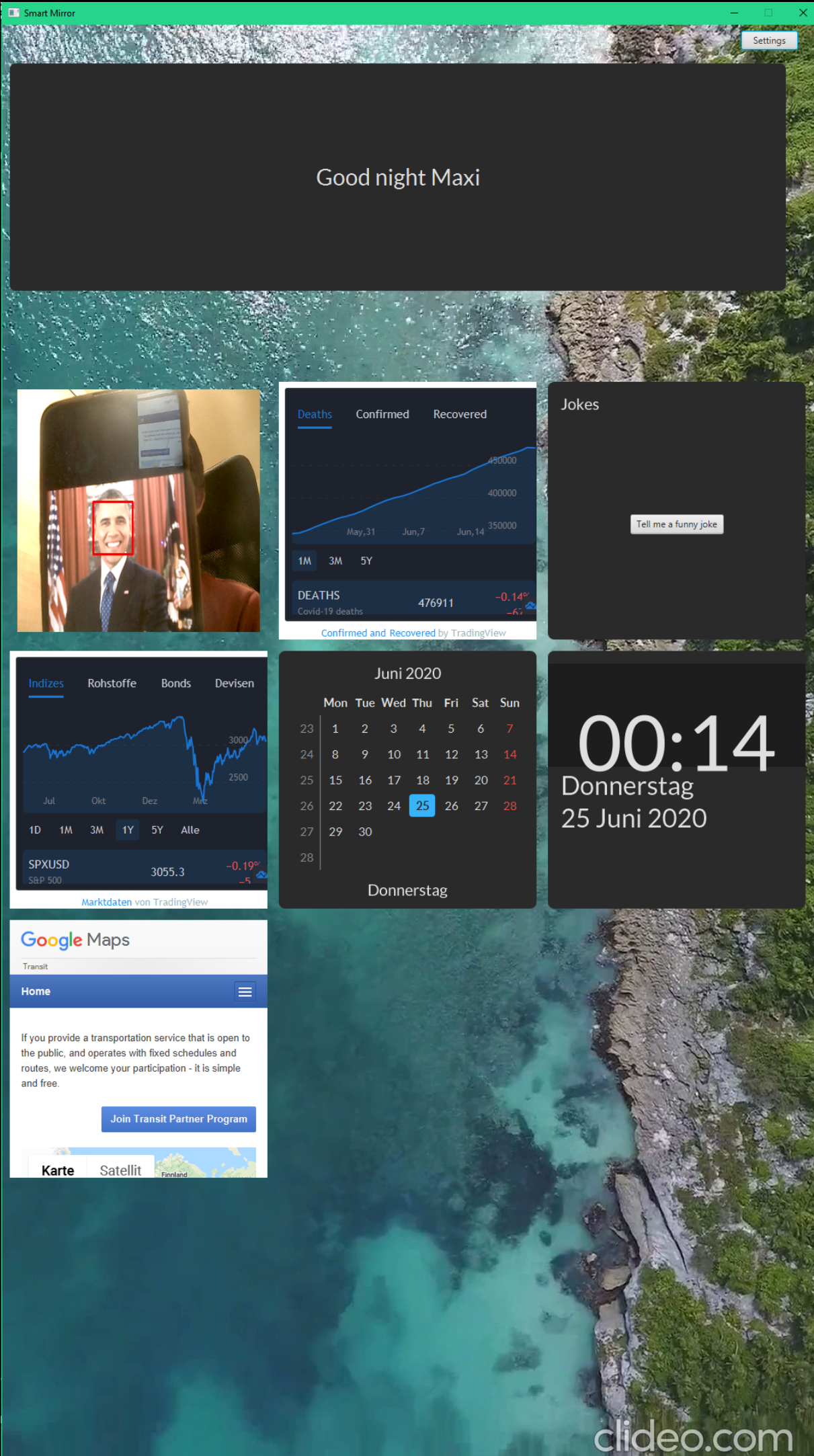
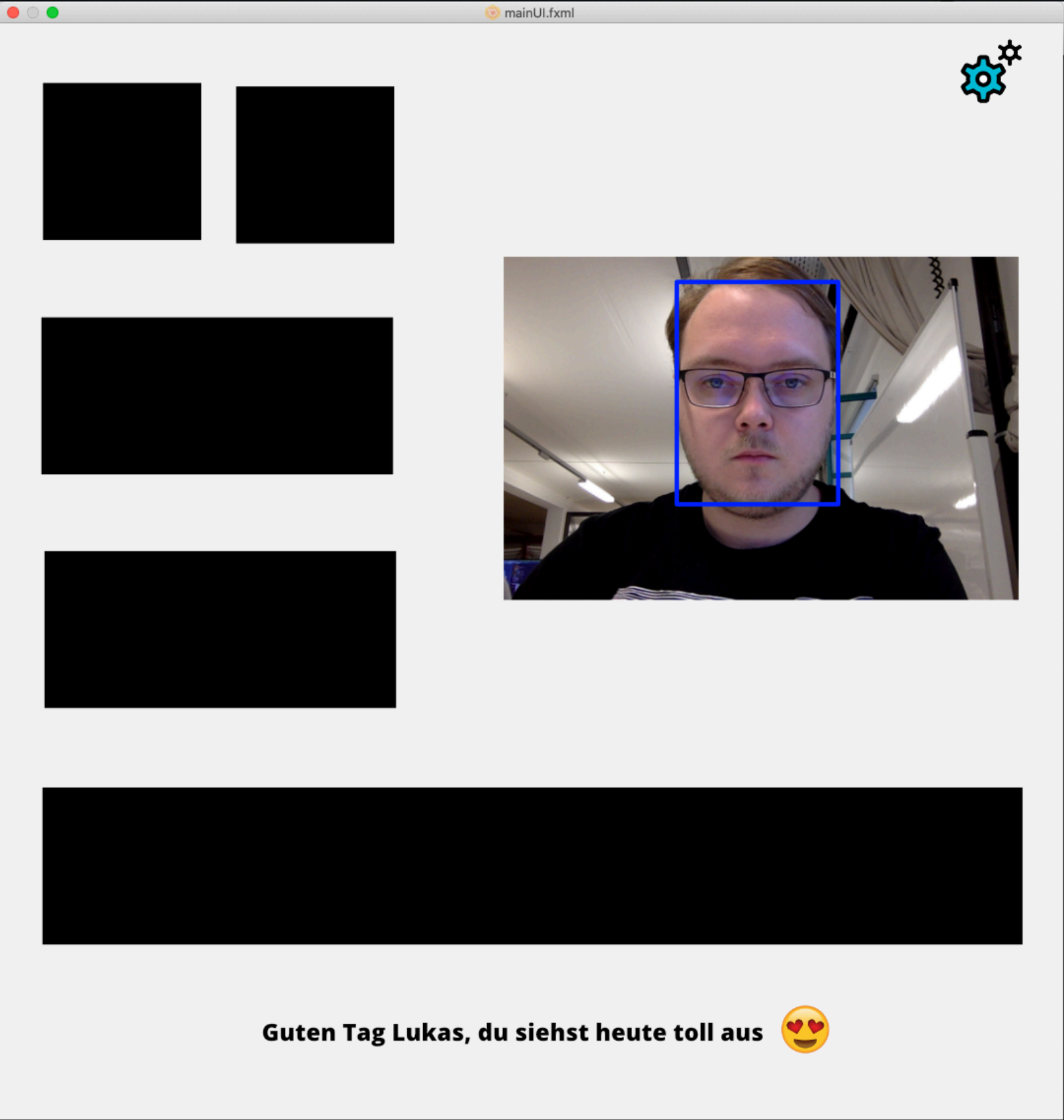
Yes, he is really smart

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What are we going to talk about

- Our Vision
- Technology Stack
- How we made it
 - GUI
 - Database
 - Face Recognition
- Demo

The Journey



Our Tech Stack

- Github
- Eclipse
- openJavaFX
- openJDK14
- AWS
- OpenCV

“Free as freedom not free as a beer”

GNU General Public License

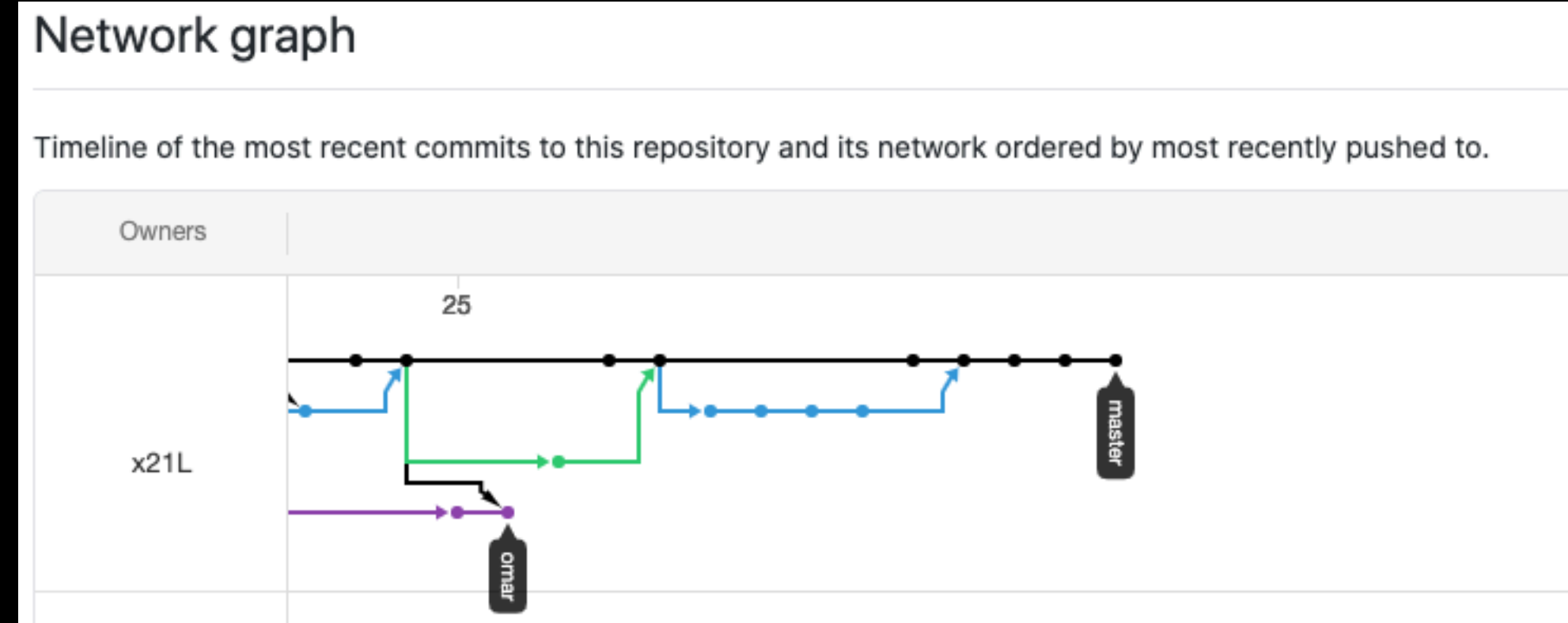
We want to be free

Therefore we used the GPLv3 license

- Copy left license
- Everybody is welcome to contribute 😊
- GPLv3

Our Way of working

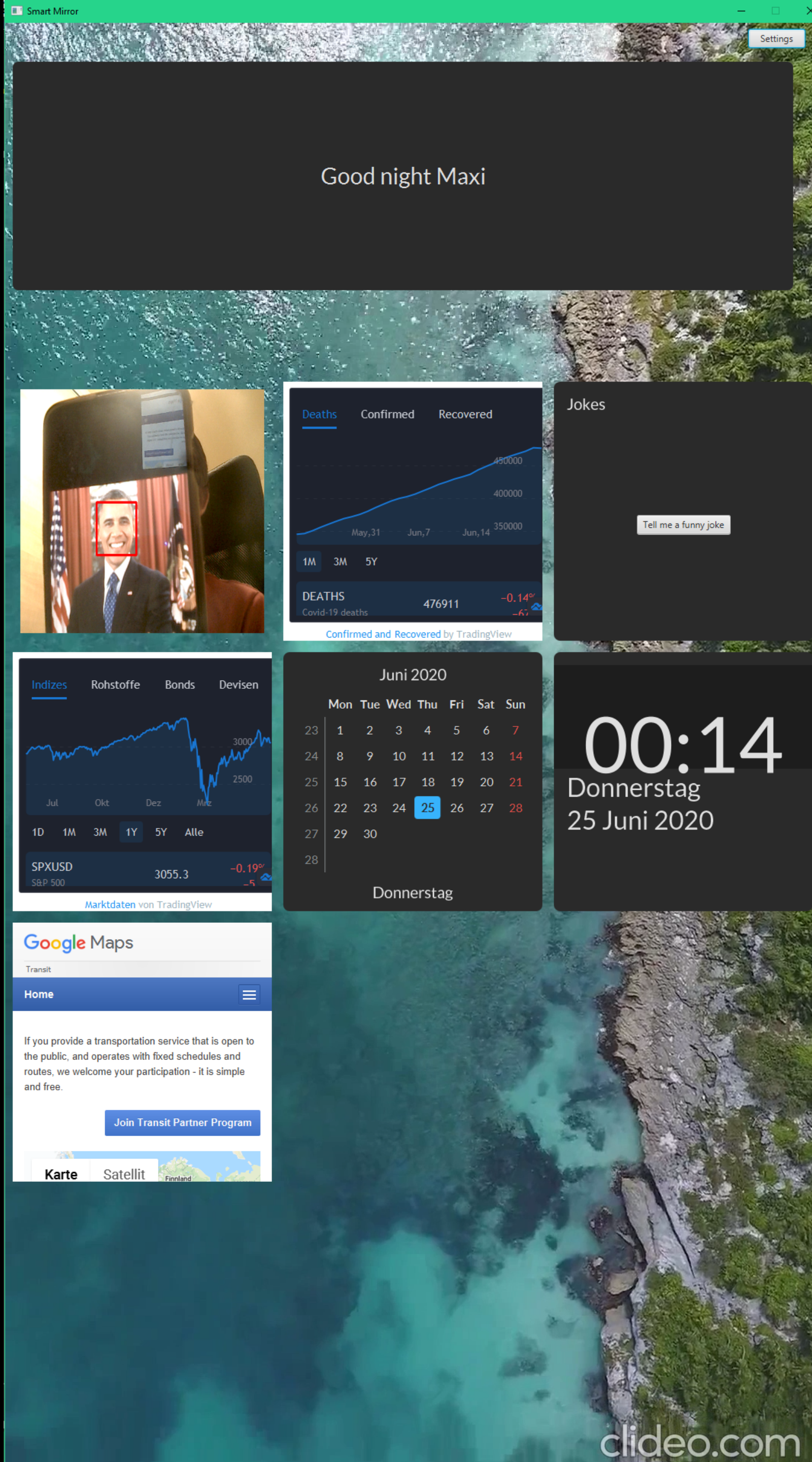
- Git
- Kanban Board
- Extreme Programming



Let's take a look at our repo

The GUI

- JavaFX
- MVC
- Scene Builder



Settings

Create UserSettings

firstname

lastname

nickname

☐ Clock

☐ Jokes

☐ Calendar

☐ Stocks

☐ Public Transport

☐ Covid

SubmitCancel

Settings

Create UserSettings

Maxi

Switch

☐ Clock

☐ Jokes

☐ Calendar

☐ Stocks

☐ Public Transport

☐ Covid

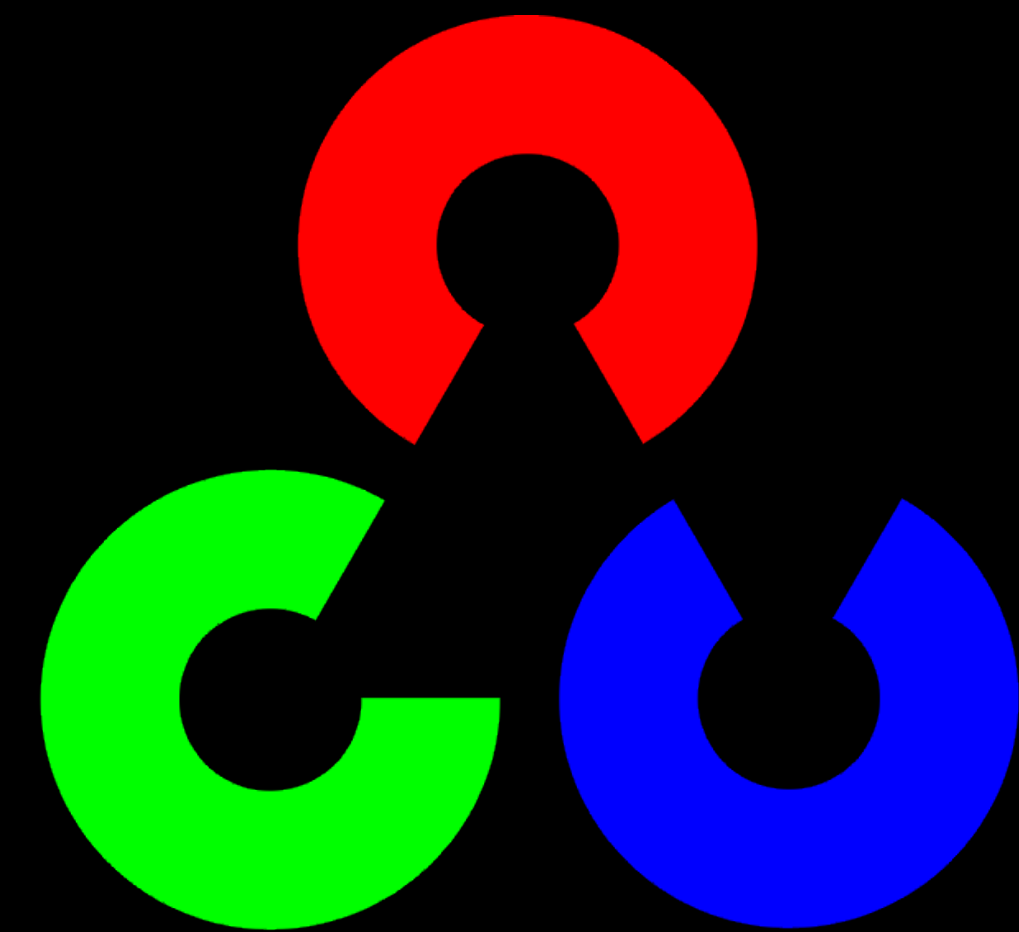
SubmitCancel

AI

We even have 2 of them

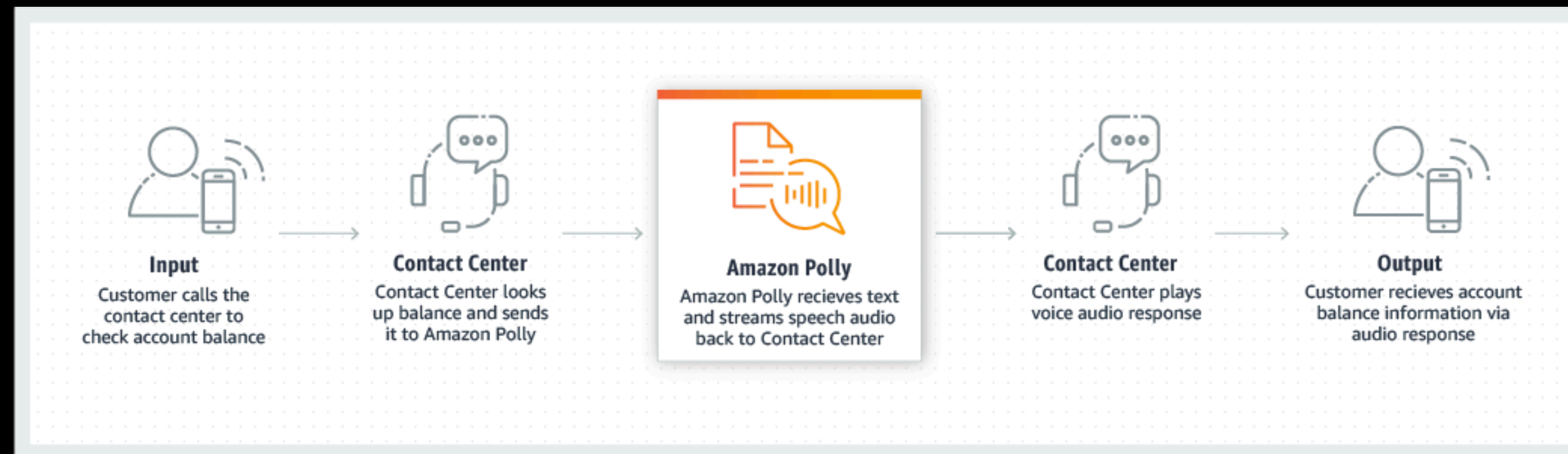
Which AIs do we use

- Amazon Polly (TTS)
- OpenCV (Computer Vision)



Polly

Usage, despite mirrors.



The Database

H2 embedded DB

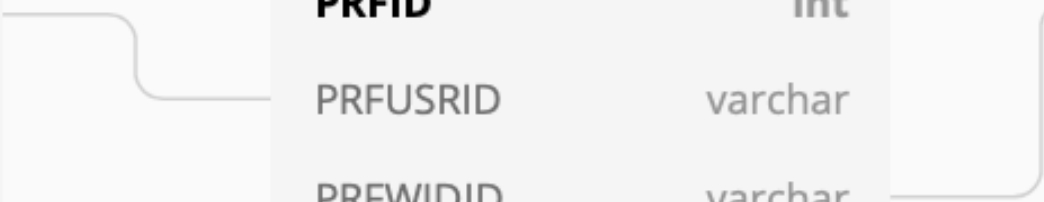


Our Tables

SM_USERS	
USRID	varchar
USRFNAME	varchar
USRLNAME	varchar
USRNKNAME	varchar
USREMAIL	varchar

SM_PROFILE	
PRFID	int
PRFUSRID	varchar
PRFWIDID	varchar

SM_WIDGET	
WIDID	varchar
WIDNAME	varchar
PRIMARY	varchar



ENOUGH BLAH BLAH

SHOW ME SOME CODE!

makeameme.org

Face Recognition



**READ THE
SOURCE
LUKE**



Any Questions?

Some Links to get you started

- [TilesFX](#)
- [H2 Database](#)
- [Polly](#)
- [OpenCV](#)
- [Our Repository](#)
- [Our JavaDoc](#)

Demo Time

