

# THE FORM RELIEVER

# HOW WE CAN HELP AUTHORITIES TO PROCESS FORMS DURING AND AFTER COVID-19 CRISIS

**TEAM #60 - HACKATHON SUBMISSION** 

5<sup>TH</sup> OF APRIL 2020

### **YOUR TEAM #60**

# OUR MISSION IS TO CONTRIBUTE TO THE SWISS SOCIETY DURING AND AFTER CRISIS BY USING EACH OF OUR EXPERTISE IN A TARGETED MANNER

### **Arlind Nocaj** «Extraction Guru»



- AI/ML Architect at Accenture
- PhD in computer science
- «I love to bring AHA effect to people and clients by using the power of data and ML»

**Fabio Sulser** «Code Cookie»



- Tech Lead Data and Automation at KREATIZE (former Accenture)
- Studied computer science
- «I use this hackathon as an excuse for a reunion with my colleagues»

Marco Maggiotti «Solution Pioneer»



- Solution Architect at Accenture
- Software Engineer
- «It's not me that behave like Stitch, it's Stitch that behave like me»

Mario Salecker «Super Mario»



- Solution Architect at Accenture
- Studied computer science 20 years ago
- «I'm here to save the world…or project»

Priya Pimol «Boss Baby»



- IT Consultant at Accenture
- Master in Business Administration
- «I'm A-sian, not B-sian»



### WHY OUR PRODUCT IS NEEDED



WHAT IS THE FORM RELIEVER



**WHO WILL USE IT** 



**HOW THE FORM RELIEVER CAN BE USED** 

### **EXECUTIVE SUMMARY**

#### WHY THE FORM RELIEVER WILL MAKE AN IMPACT TO THE SWISS SOCIETY

## **OUR UNDERSTANDING**



- Significantly higher demand of authority work due to the COVID-19 crisis but capacity is limited
- Swiss companies have already registered short-time work for more than 1 Mio. employees
- Authorities have to deal among others with many different kind of forms and requests
- 4 Authorities process the incoming paper requests manually



- ✓ Use our expertise in the field of OCR and data extraction and provide easy adaptable form reader
- ✓ Relieve authorities by using innovative software solutions
- √ Faster processing time for each request
- ✓ Starting with the official COVID-19 pre-registration form for short-time work, then further expand to many other forms
- ✓ Long-term solution that can also bring great value after the COVID-19 crisis



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# DEMO: THE FORM RELIEVER THE PATH TO DIGITALIZATION

# Standardized pre-registration form for short-time work during COVID-19 crisis





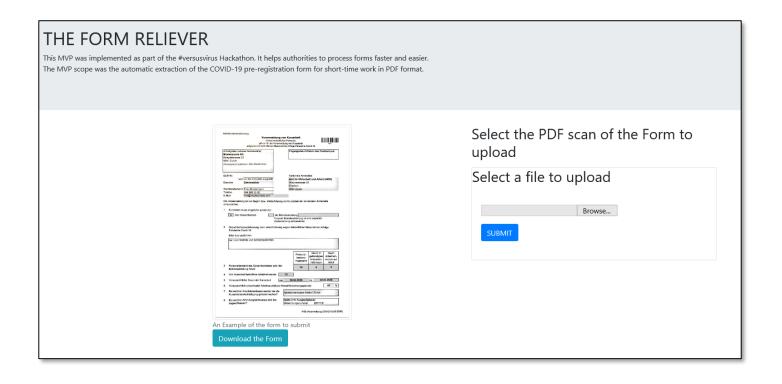






#versusvirus - Hackathon submission: Team #60

# DEMO: THE FORM RELIEVER TEST OUR MVP YOURSELF!



Link to our MVP tool: <a href="http://doclux.net:8000/">http://doclux.net:8000/</a>

**GitHub:** <a href="https://github.com/mariosalecker/vsvirus">https://github.com/mariosalecker/vsvirus</a>











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# AUTHORITIES ARE OUR PRIMARY TARGET AUDIENCE FROM COMMUNES VIA CANTONS TO THE FEDERAL GOVERNMENT

«Relieve authorities with an easy adaptable form reader»

#### For authorities who deal with e.g. the following forms:

- COVID-19 pre-registration for short-time work compensation (see DEMO)
- 2 COVID-19 Application and settlement of short-time work compensation
- 3 Application for unemployment insurance
- 4 Welfare claim
- ...and many more!

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# EASY ADAPTABLE TOOL WITH HUGE IMPACT UNUSED POTENTIAL & OUTLOOK OF THE FORM RELIEVER

#### Scale to other incoming ad-hoc forms during crisis

Improve current MVP and quickly extend the extraction model to other important forms during the crisis:

- Cantonal office: e.g. COVID-19 Application and settlement of short-time work compensation
- Hospitals: e.g. COVID-19 test forms
- Banks: e.g. COVID-19 loan requests
- SBB: e.g. GA hand in

#### **Extend to hand-written forms**

Extend current MVP with the capability to recognize hand-written forms. Thus, many more forms can be processed automatically.



### **Enabler for full-stretch digital workflow for Swiss authority**

We see great potential with our tool to bring Swiss authority one step closer to full-stretch digital workflow, where stakeholders do not have to submit paper-based forms anymore. Our solution can be integrated in an app or webpage.

#### **Contactless workflow**

Especially during the COVID-19 crisis, our solution can avoid physical contact between citizens and authorities (and all logistics between).

Using the power of data, opensource and algorithms to free up time for more relevant work in the society. We hope that we could contribute our part to the Swiss society! \*\*VERSUS\*\*

- Team #60