

THE FORM RELIEVER

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

TEAM #60 - HACKATHON SUBMISSION

5TH 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 HAVE AN IMPACT ON 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 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 an 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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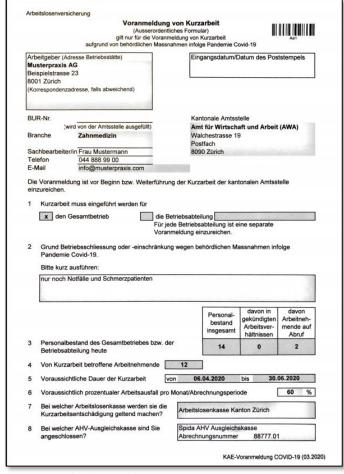
WHO WILL USE IT



HOW THE FORM RELIEVER CAN BE USED

DEMO: THE FORM RELIEVER EXTRACT FORM INFORMATION AUTOMATICALLY

Our form reliever automatically extracts information from the standardized COVID-19 pre-registration form for short-time work.





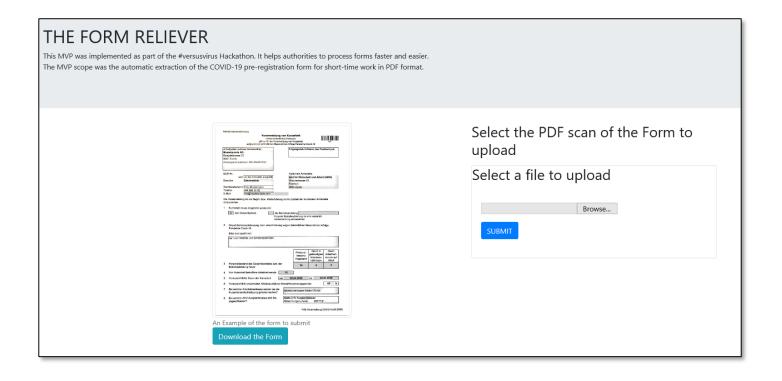
Your benefits:







DEMO: THE FORM RELIEVER TEST OUR PROTOTYPE YOURSELF!



Link to our prototype: http://doclux.net:8000/

GitHub: https://github.com/mariosalecker/vsvirus









#versusvirus - Hackathon submission: Team #60



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HOW THE FORM RELIEVER CAN BE USED

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

«Relieve authorities with an easy adaptable form reader»

For authorities who deal with the following type of 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!

#versusvirus - Hackathon submission: Team #60



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HOW THE FORM RELIEVER CAN BE USED

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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 prototype 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 prototype 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 authorities 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 minimize physical contact between citizens and authorities (and all logistics in between).

Using the power of data, open source and algorithms to free up your time for more relevant work. We hope that we could contribute our part to the Swiss society!

- Team #60