



**University of  
Dayton**

# Online Auto-Fill Forms Using Images

**Collaborating Project with Synchrony  
Company Mentors**

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## Coursework CPS 595 P1

### Instructor(s):

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### Team members:

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# Motivation:

- This project is useful in simplifying and streamlining the process of filling out online forms.
- saves time and provide a more convenient way for users to complete online forms.

# **Goal of the project**



## Goal of the project

- The Autofill Forms project is a web-based application, that allows users to quickly and easily fill out online forms
- It extracts text from a picture and automatically populating the form fields with the extracted information.



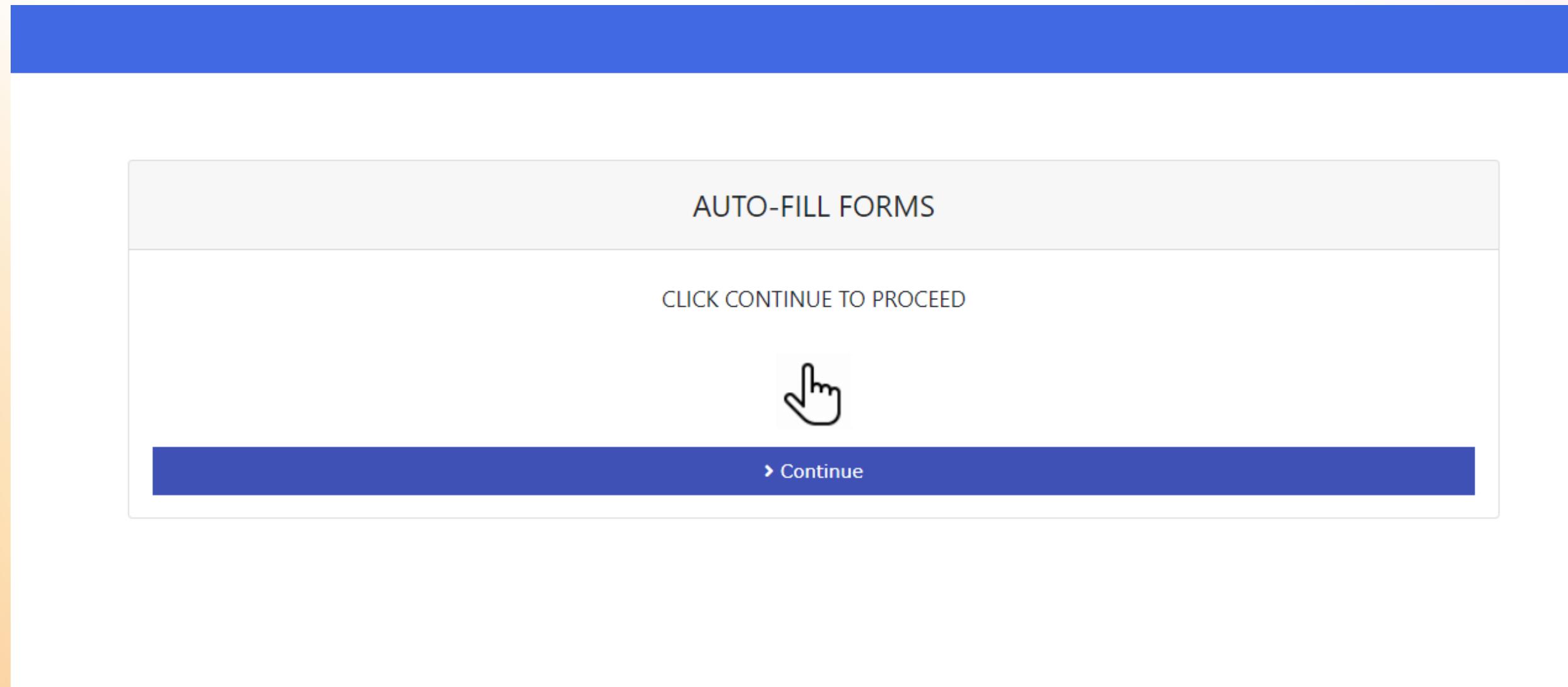
## Goal of the project

- The application would allow users to take a picture of a document, and use optical character recognition (OCR) technology to extract the text from the image.
- Then extracted text is used to automatically fill in the corresponding fields in the online form.

# **Functionality Of the Project**

# Functionality

- After the Project is deployed you'll be able to see Home component in which the user find a "Continue" button to proceed ahead.



# Functionality

- Then it leads us to the Forms component where the user can either manually enter the form Details or can choose to click on the "Camera" button to use the auto-fill feature.

AUTO-FILL FORMS

Card number: \*\*\*\* \* \* \* \* \* \* \* \*

Name on the card:

Valid thru: Month  year

CVV: \*\*\*

Choose File No file chosen

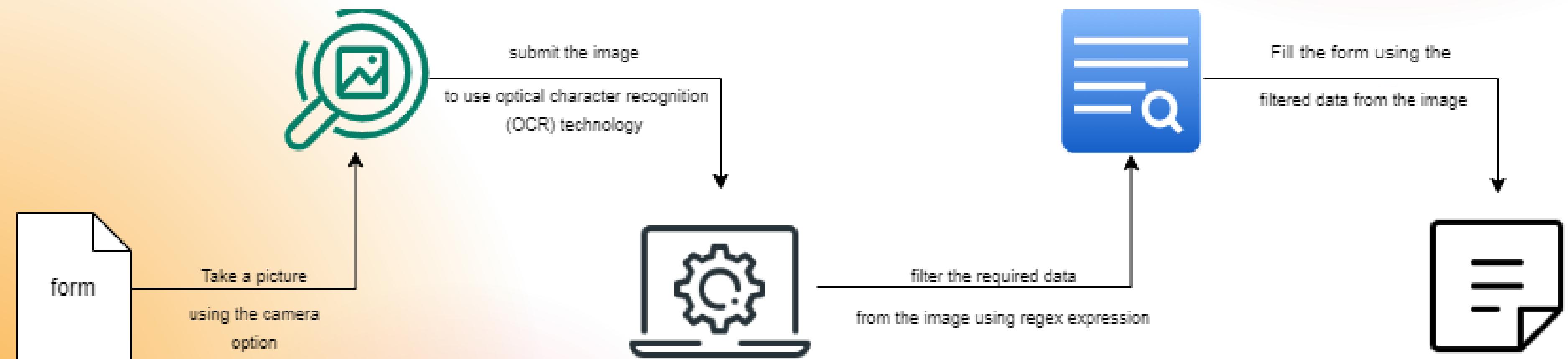
Camera

Proceed

# Functionality

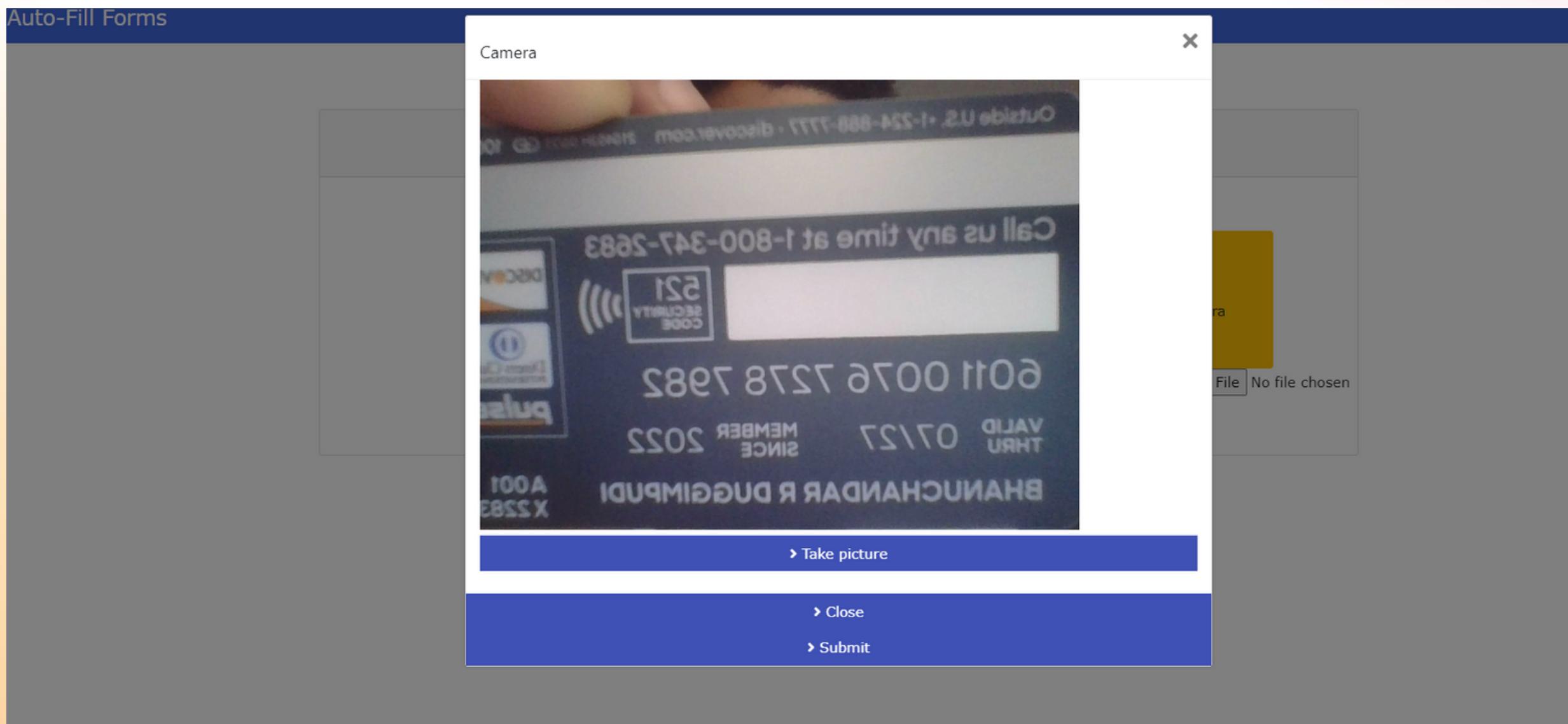
- 

Here is a working of how the Autofill functionality works



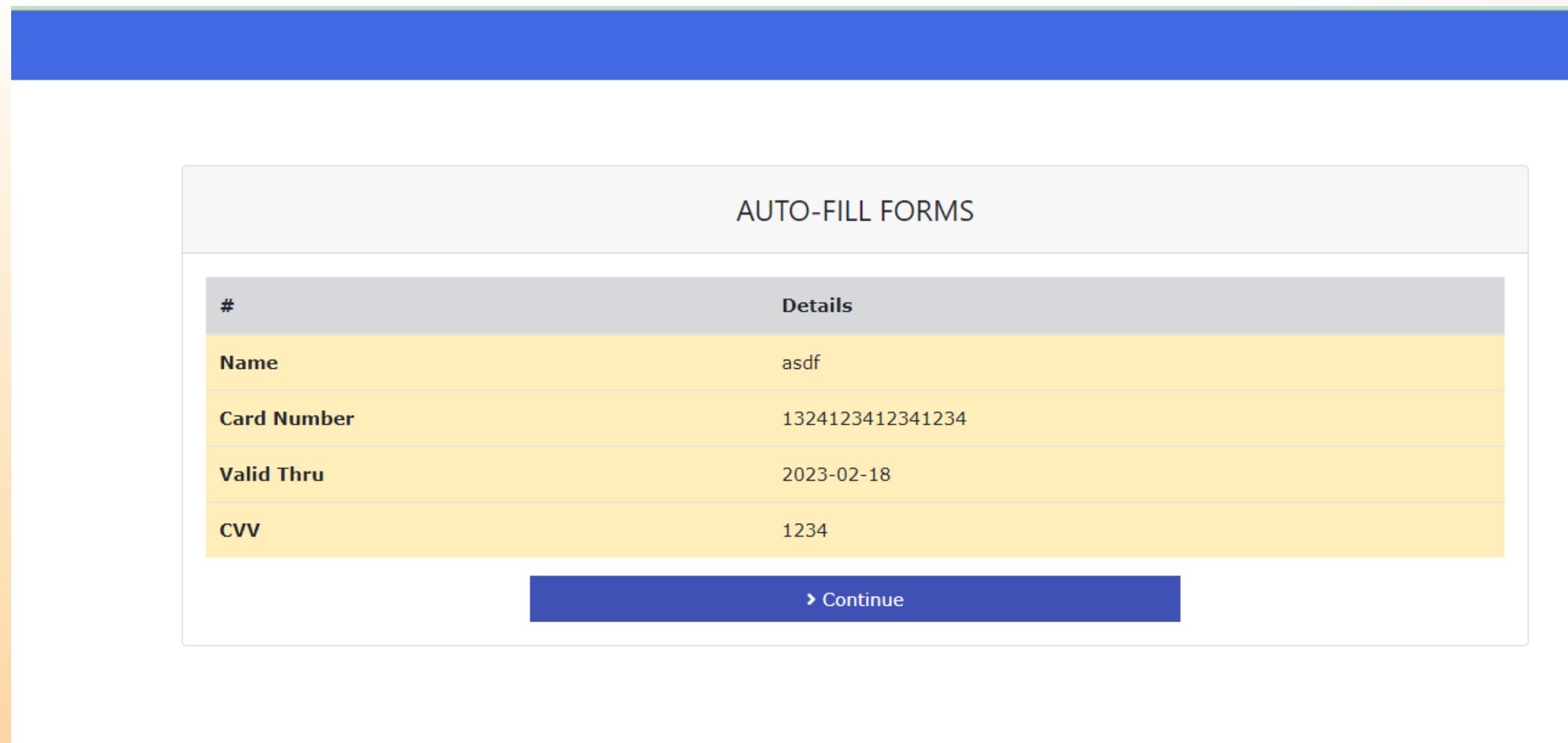
# Functionality

- Align the card with properly in front of the camera to take a picture and submit. The form will be filled automatically and the user can review the details.



# Functionality

- Then continuing the form it will redirect us to the review page where the user can verify the data that is displayed in a table format one last time before submitting the data.



The screenshot shows a review page for an auto-fill form. At the top, there is a blue header bar. Below it, the title "AUTO-FILL FORMS" is centered. The main content is a table with the following data:

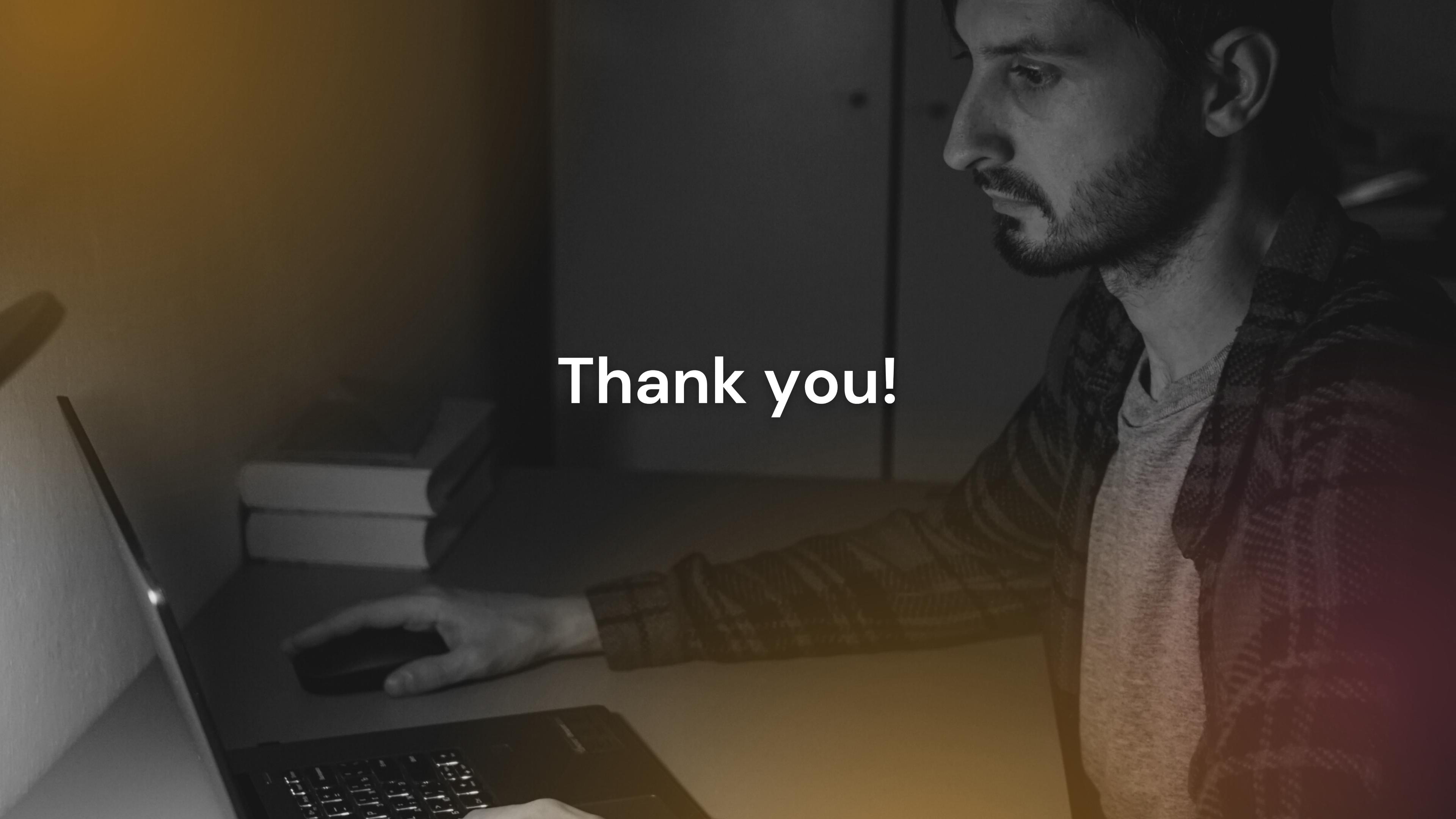
#	Details
Name	asdf
Card Number	1324123412341234
Valid Thru	2023-02-18
CVV	1234

At the bottom of the table is a blue button labeled "Continue".

# Future Enhancements

- Adding other Identification forms
- Dynamically identifies the document that is uploaded
- Encrypting and enhancing the data storage



A black and white photograph of a man with a beard and mustache, wearing a patterned shirt. He is looking down at a laptop screen, which is partially visible in the bottom left corner. The background is dark and out of focus.

Thank you!