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February 2022

AUTOMATIC FORM TRANSCRIPTION FOR SOFTWARE INTEGRATION

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Recommended Citation

INC, HP, "AUTOMATIC FORM TRANSCRIPTION FOR SOFTWARE INTEGRATION", Technical Disclosure Commons, (February 04, 2022)

https://www.tdcommons.org/dpubs_series/4885



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Automatic Form Transcription for Software Integration

This disclosure relates to the field of software. A method is disclosed that transcribes written documents and creates a data payload of key-value pairs. This information is then stored in an application programming interface (API) to be accessed later by other software packages.

Manual transcription of handwritten documents into software packages is the main method for digitizing written data. Problems associated with this method include manual transcription errors that lead to cost inefficiencies and safety issues. Using the method disclosed, collecting the initial information remains the same, handwriting is used to fill out information on a paper document. Fig. 1 shows an example document with information categories and handwritten information. The document is scanned and after the digital version of the document is created, the method disclosed uses an optical character recognition (OCR) system to recognize typed and handwritten text and digitizes it into searchable text. Next, the fields and questions are recognized and their corresponding answers, then organized into key-value pairs. Fig. 2 shows an example where the fields “Name” and “Phone” have been identified, and the corresponding answers “Dr. Who” and “650 123 4567” are also identified. These are then organized as key-value pairs in the .json file. This method exposes an API for other software packages to gather this organized information, as shown in Fig. 3. Other software packages call the disclosed method’s software API and receive a .json file to easily import all the digitized handwritten text from an initial handwritten document.

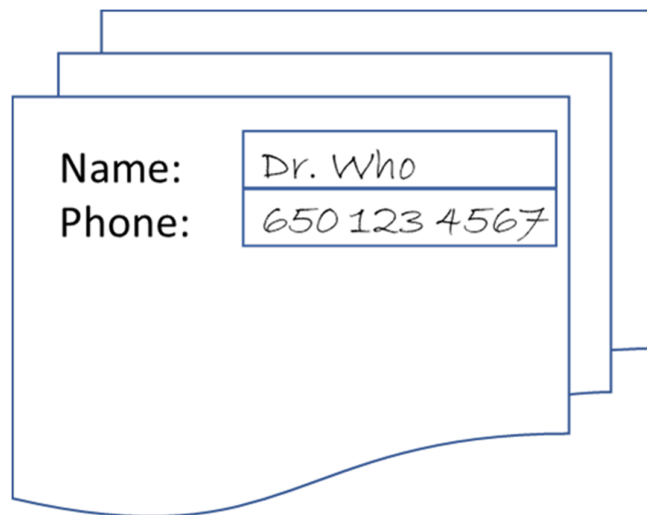


Fig 1: Example document with handwritten information that needs to be transcribed into a software package.

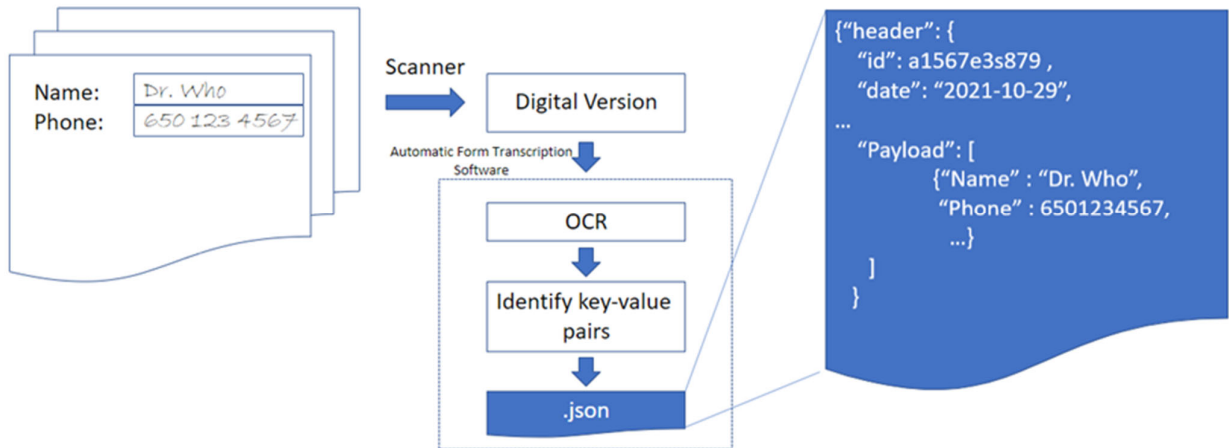


Fig 2: Example workflow of information being captured and stored into a Json file.

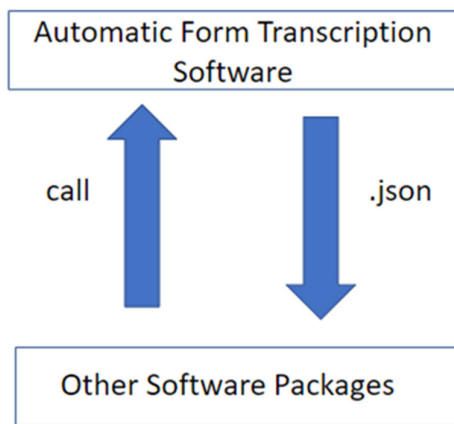


Fig 3: Example information pathway between disclosed automatic form transcription software and other software packages.

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