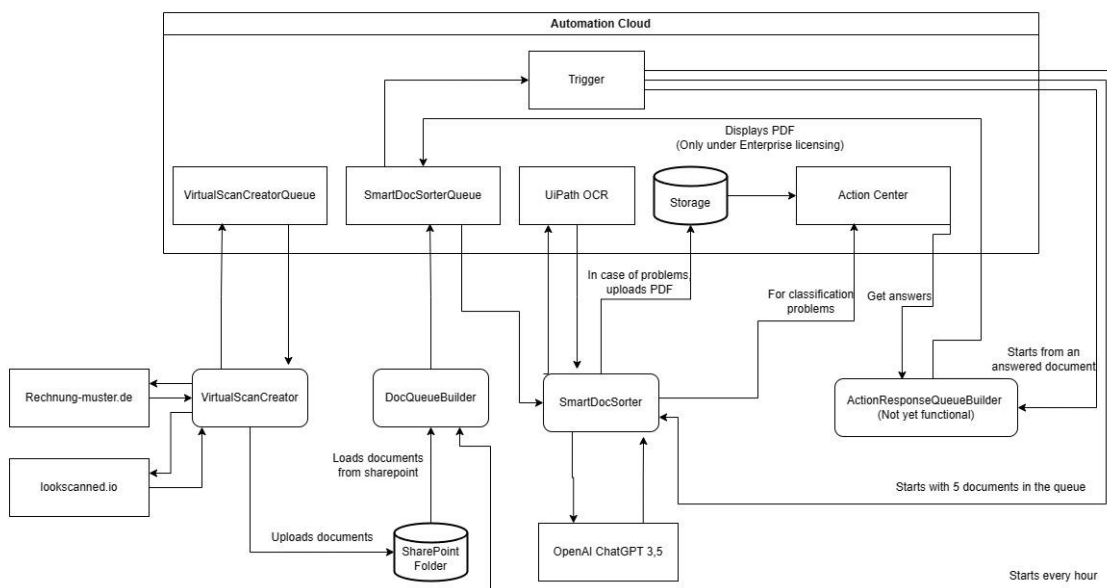# Project overview

This project encompasses four distinct subprojects: SmartDocSorter, VirtualScanCreator, DocQueueBuilder, and ActionResponseQueueBuilder. The primary component, SmartDocSorter, is responsible for accurately categorizing scanned documents and executing specific tasks based on the categorization outcomes. For instance, it notifies the billing department when a reminder document is identified.The VirtualScanCreator is tasked with generating simulated document scans. These simulated scans are designed to test and validate the effectiveness and accuracy of the SmartDocSorter in categorizing and processing documents.The DocQueueBuilder plays a crucial role in organizing the workflow. It systematically queues documents for processing by the SmartDocSorter, ensuring an efficient and orderly processing pipeline. Finally, the ActionResponseQueueBuilder addresses the challenges posed by documents that are not successfully categorized by the SmartDocSorter. It re-introduces these unclassified documents into the orchestrator queue for reevaluation.

Overview:

Further information about the sub-projects in the files:

- SmartDocSorter.pdf
- VirtualScanCreator.pdf