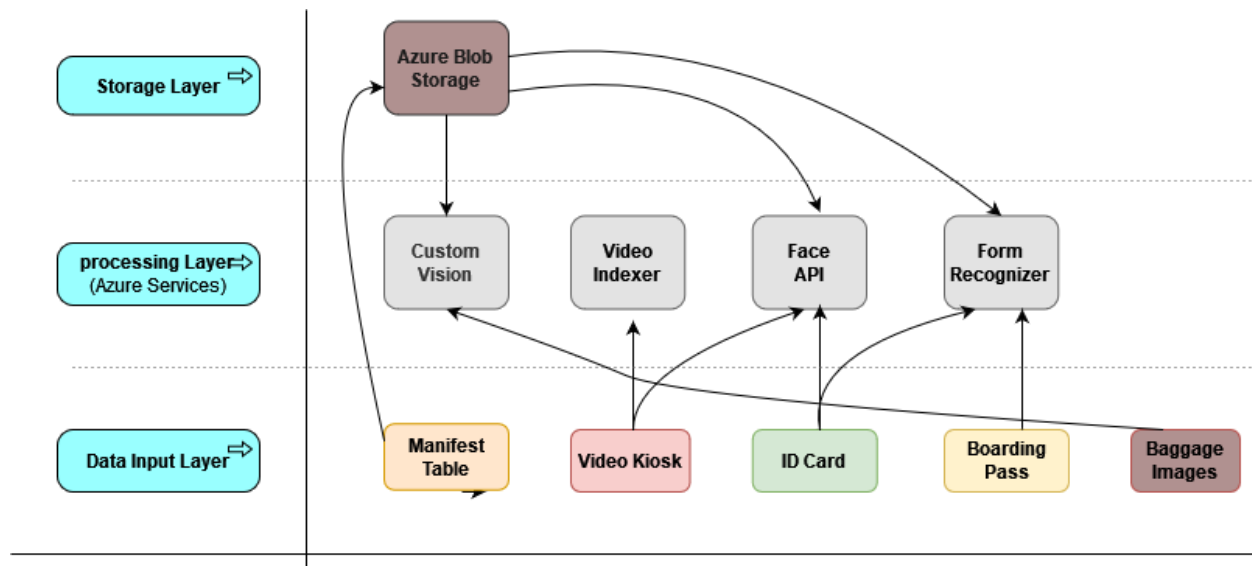


## Architecture Diagram



We have several activities and components in our project as Manifest Table, Id card, Video, boarding pass and baggage images.

- We are using Azure Vision services as Custom Vision, Form Recognizer, Face API and Video indexer
- We store all of our data at the Azure Blob Storage
- The manifest table is a spreadsheet that lists the flight information for each passenger.
- Custom vision service will be used to build a custom lighter detection model first and use the custom model to detect lighter probability in given test images.
- Video Indexer will be used to match a given passenger's face from digital ID with the face extracted 30-second video.
- Azure Form Recognizer will be used to train a model to extract information from identification cards and boarding passes.