

Bank of Baroda Hackathon - 2022

Your Team Name :Black Technology

Your team bio :

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Problem Statement?

Why did you decide to solve this Problem statement?

Video Analytics Analysis

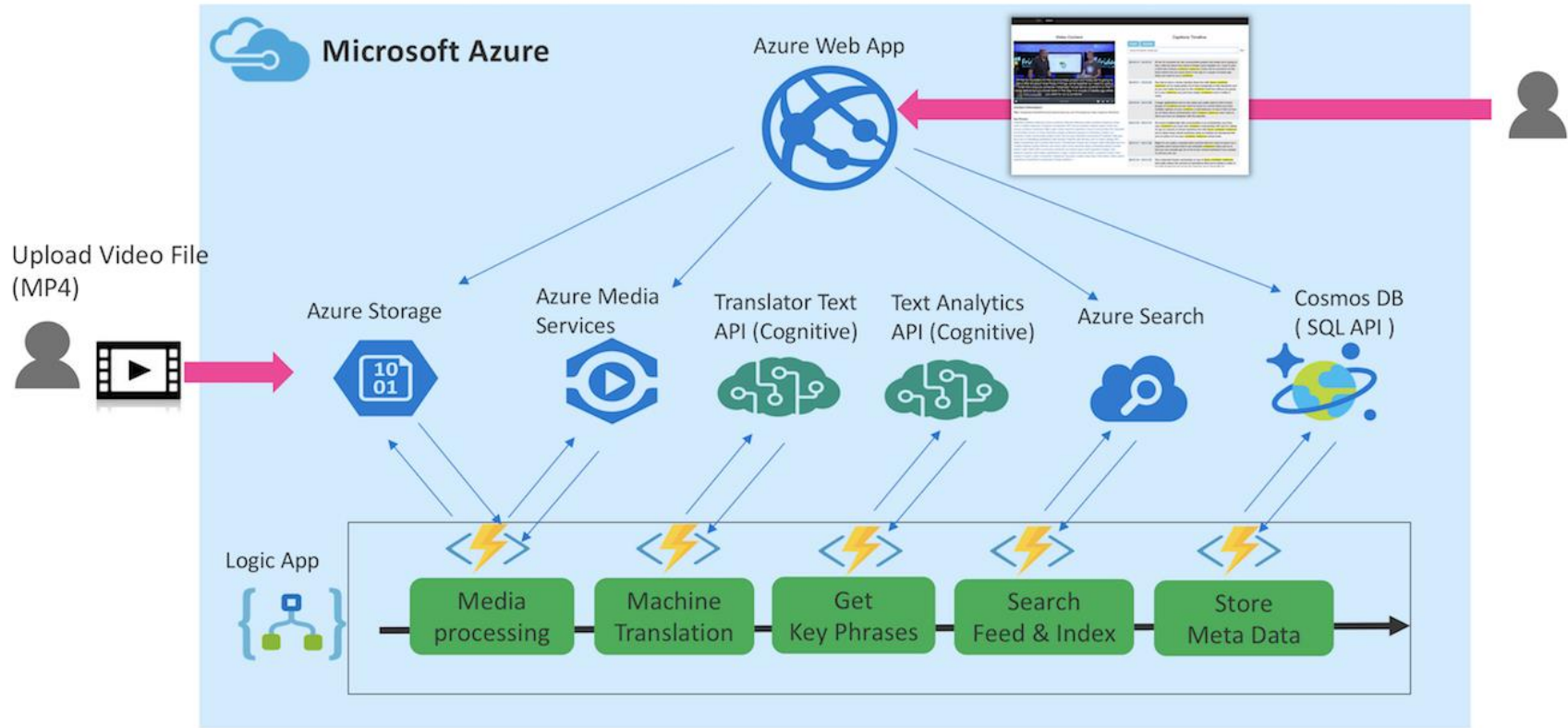
- ❖ Customer Satisfaction(Customer First need from Bank Money handling fastly . because customer have no time for time spent in bank like AS ATM transactions(long waiting line front of ATM for our own money), paper work , talking to customer care many time waste in this activity).
- ❖ Security Major point for Banking systems. with out security banking system not working. tracking and analysis Froud & illegal activity type people in ATM and Banking.
- ❖ Business growth need mostly company. but some bank not stable business growth. reason old technology and not running with current Technology culture & customer satisfaction & faith down on this type bank. we think & want best quality in banking system.

User Segment & Pain Points

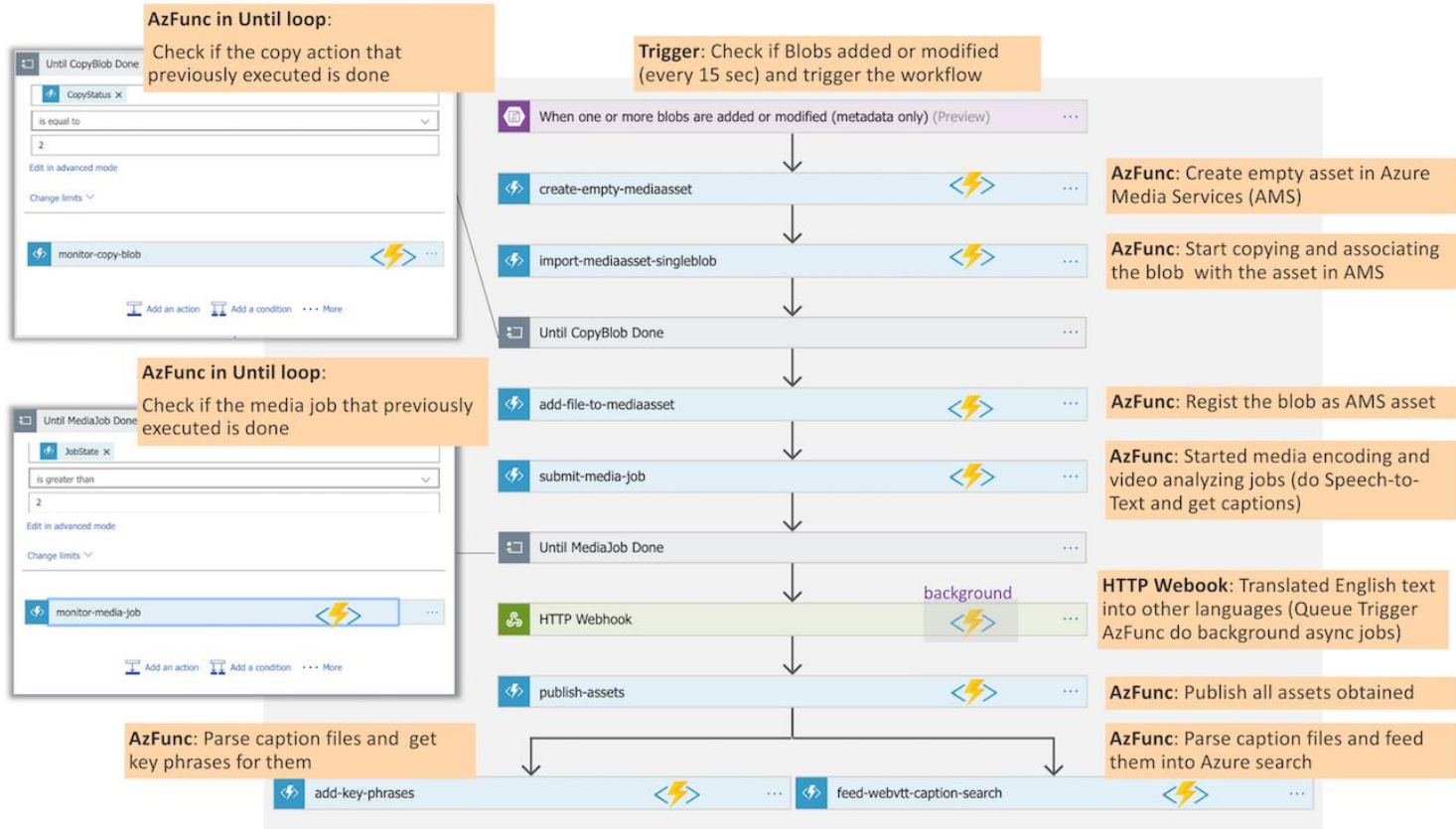
Which user /advertiser segment would be early adopter of your product & why?

- Face recognition in KYC , to view account balance , to enable fund transfers.
- Since account holders connected with the account for a very short dealing with current reality of manual banking , theft is becoming ever more common these days. To protect against unauthorized individuals.
- We had thought and added a few more methods and ideas to our face recognition mechanism to guard against unauthorized persons.

Description of what the Team has tried to build :



High-level implementation / Solution diagram :



Pre-Requisite

What are the alternatives/competitive products for the problem you are solving?

1.Video Footage Quality :-

For case, the sort of camera may influence the sort of examination that's conceivable with the equipment that's presently accessible, as well as the determination of video that ought to be prepared. For occurrence, in the event that a high-resolution camera is situated at eye level, the video quality and camera arrangement are likely appropriate for recording photographs which will be used for confront coordinating. This would permit an association to utilize the camera for facial acknowledgment.

2.Video Management Systems :-

For live video preparing and real-time cautioning and video look, you may require a Video Administration Framework (VMS) to bolster your video substance examination. You will utilize a few VMS stages or a single provider.

Azure tools or resources

Azure tools or resources which are likely to be used by you for the prototype, if your idea gets selected

Azure Video Analyzer.

Azure Video Indexer.

Azure Data Lake Storage.

Azure Analysis Services.

Azure Synapse Analytics.

Tools, Technology Stack (including the APIs consumed), and framework details

Azure tools or resources which are likely to be used by you for the prototype, if our idea gets selected we showcase Application of Serverless Video Analytics Workflow using Azure Functions, Logic App, and other multiple Azure Services.

Related Azure Services in the solution:

- Azure Functions
- Azure Logic App
- Azure Cosmos DB
- Azure Search
- Azure Media Services
- Azure Web App
- Azure Storage (Blob, Queue)
- Azure Text Analytics API (Cognitive Services)
- Azure Translator Text API (Cognitive Services)

A write-up on why your application /solution should be considered.

Face coordinating and distinguishing proof alludes to the method of coordinating and perceiving a person's confront utilizing pictures and recordings that have as of now been protected in a database. The demonstrate must to begin with be prepared on the subject's confront some time recently being able to coordinate faces and perceive the subject from diverse pictures. Indeed when the introduction and state of mind of the subject's confront are changed in photos, a decent face recognition demonstrate has got to be able to distinguish the subject accurately.

Whether the approved individual is locks in in burglary arraignment or not, this approach is used to detect their facial expression and transmit a caution take note to the most department and adjacent police station.

Four modules make up the proposed approach .

- 1.Finds the confront in an image(Face detection)
2. Analyze and extricate facial features
3. Compare the highlights for the 2 input faces
4. Returns Genuine on the off chance that confront coordinated or else False.

Ability to scale-up in enterprise grade environment

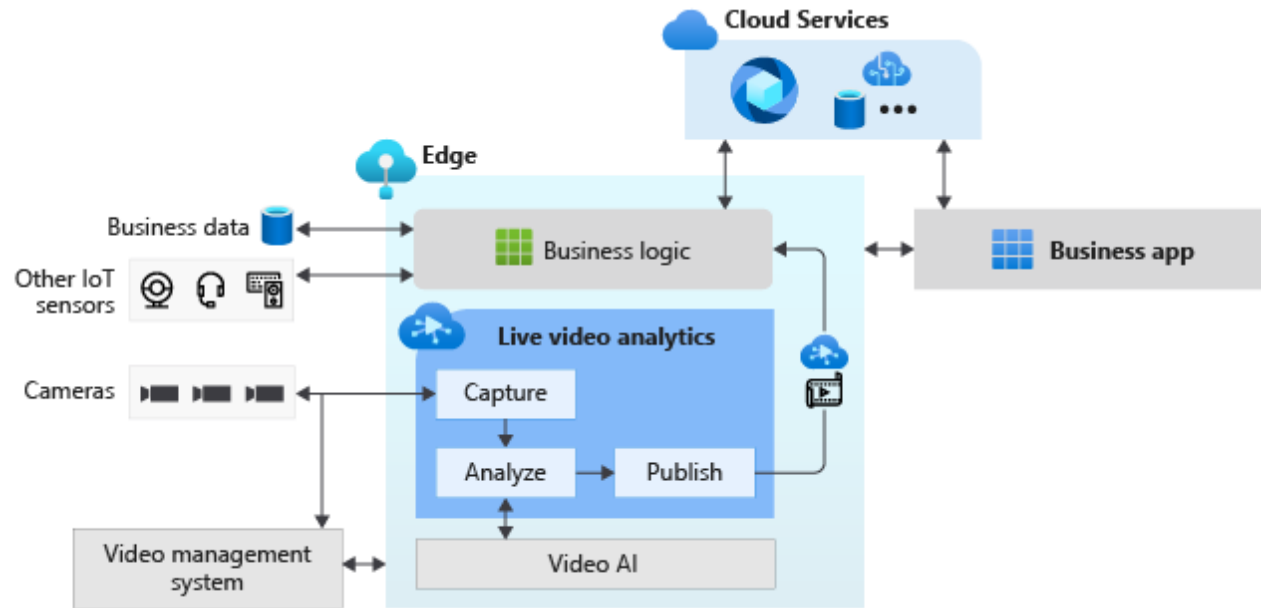
How is your solution better than alternatives and how do you plan to build adoption?

- ❖ Helps to reduce the crime rates
- ❖ Reduces the number of users access to same account
- ❖ Improves secure banking

GitHub Repository Link & supporting diagrams, screenshots, if any

How far it can go?

https://github.com/vijayk2001/bob_hackathon



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Thank You

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