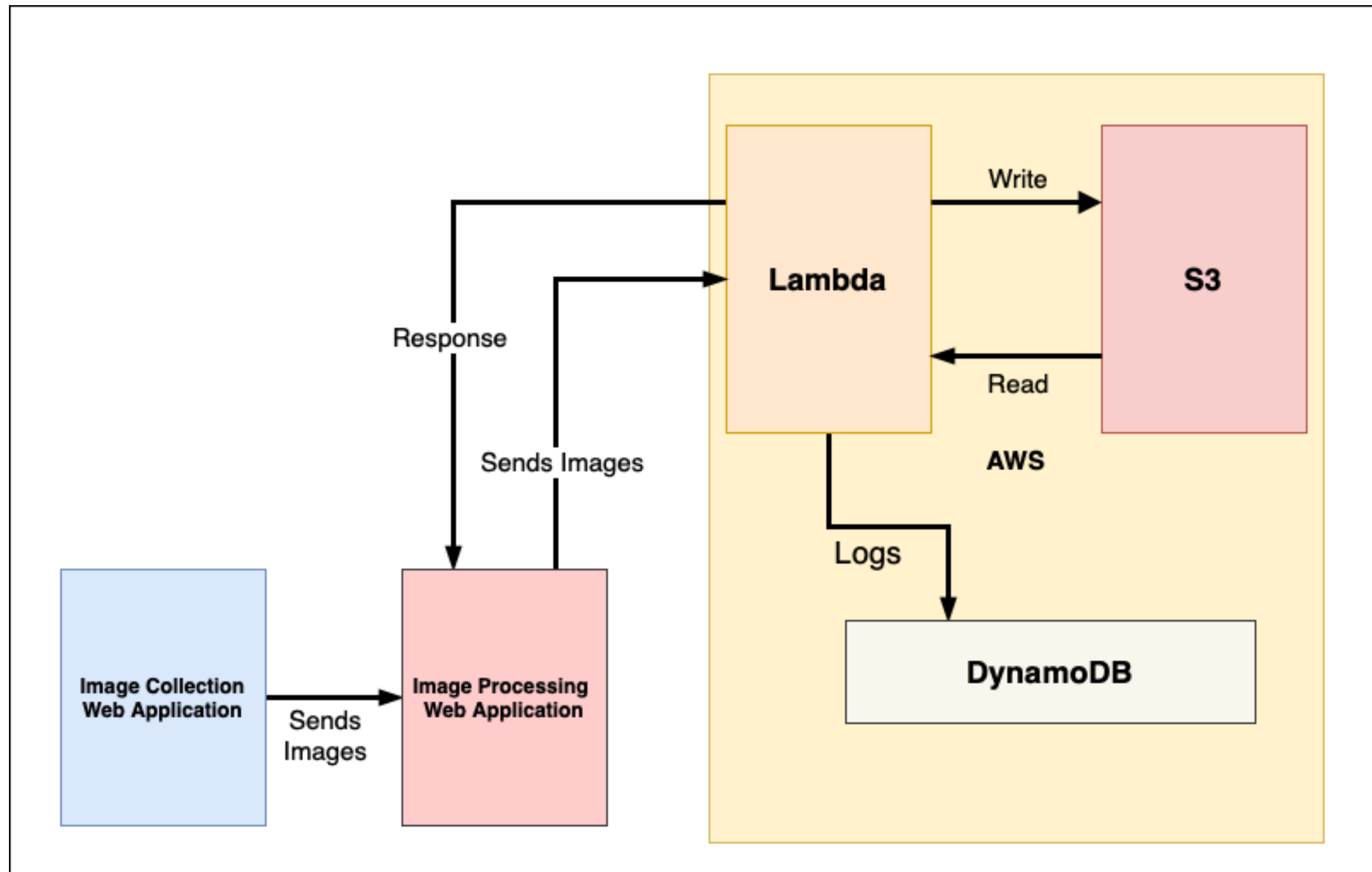


System Design

Zainul

Architecture Design



Design Explanation

- AWS Lambda is able to listen to streams from Apache Kafka
- AWS Lambda logs down number of images passing through it in DynamoDB
- AWS Lambda saves the images in S3 Bucket named under company name
- S3 Life Cycle Policy Ensures images are deleted after 7 days

Pros

- Serverless approach
 - Charged only for the resource used
 - Fully managed
 - Highly scalable cloud architecture
- Customisable life cycle rules
 - Changing 7 day rule
 - Moving to glacier after 7 days
- S3 backup possible through replication(if needed)

Cons

- Privacy
 - Data will be trusted with 3rd party cloud provider
- Chances of downtime(although low) are not controllable