FAST API

Configuration User

1. Register New Age Group
2. Delete Age Group
3. View Existing Age Groups

Age groups API

Final User

1. Request Enrollment
2. Check enrollment status

Enrollment API

Write

Read

publish

Enrollment Queue

Choose your own, must be locally executed

consumption

Enrollment Processor 2s minimum processing time

Standalone python script

Choose your own

Document DB

Write

- Age groups are simply definitions of minimum and maximum age per group
- Enrollment must have name, age and cpf. Age must be within currently registered age groups
- Integrated tests are mandatory (ran locally via Pytest or Behave)
- Authentication via Basic Auth (the credentials may be in static files)

If you choose to use AWS, you must:

- Use API Gateway + Lambda for the API
- Use Lambda for the Enrollment Processor
- Use SQS for the queue
- Use DynamoDB for the Document DB
- Make the application with AWS SAM or AWS CDK
- Readme containing the build/deploy commands and the test commands

If you choose to make this locally, you must:

- Use docker for the API, queue and processor (single image or multiple images)
- Use local mongoDB, tinyDB or local DynamoDB for the Document Database
- Readme containing the build/run commands and the test commands