Backend status state on 9.X.25r.

1. Features in general
- Fundamental application functionality
- Users authentication
- Unit tests
- Error handling
- Event data validation
- Infrastructure

2. Routers
- ADMIN
  - Diet types POST, DELETE, PUT
  - Ingredients POST, DELETE, PUT
  - Users GET(id, username, email, all), PUT, DELETE
  - Vitamins POST, PUT, DELETE
- PUBLIC
  - Diet types GET(id, name, all)
  - Images GET
  - Ingredients GET(id, name, all)
  - Oauth2 (Google, our-custom)
  - Recipes GET(id, phrase, all)
  - Vitamins (id, name, all)
- USER
  - Follows GET, POST, DELETE
  - Images POST
  - Preferred ingredients GET, POST, DELETE
  - Preferred recipe type GET, POST, DELETE
  - Recipe favourite GET, POST, DELETE
  - Recipes POST, DELETE, PUT
  - Refrigerator GET, POST, DELETE
  - Token data GET(user, admin_role, refresh token)
  - Users GET(id), PUT, DELETE

3. Authentication
- Using JWT
- Google provider
- Our hash methods
- Our validation method
- Refresh token

- User roles validation

4. Tests
- Local database with SQL lite
- Unit tests coverage is 100%

5. Error handling and data validation
- Custom error handling wrapper on each client class (S3, Supabase)
- Custom HTTPExceptions
- Custom Exceptions
- Pydantic models
- Custom Enums

6. Other tools
- Pre-commit
- Postman collection for API calls
- OpenApi.yml
- Logger class for consistent logs among app
- Config class for keeping all config parameters in 1 place
- S3 class for S3 connections
  - Error wrapper
  - Download image for requested recipe_id
  - Upload image and rename it with given recipe_id
- Supabase class for DB connections
  - Error wrapper
  - Fetch all data from given table
  - Insert data to given table
  - Find data at table with given value and column to find by
  - Find data with given 2nd column and 2nd value
  - Find data ilike to given value in specific table, column
  - Delete by exact value, column, table
  - Delete by 2nd value, 2nd column
  - Update by value, column, table with given data
- Crud class with all custom CRUD methods on our SQL DB

7. Infrastructure
- AWS deployment with CloudFormation and Lambda Layers
- Versioning changes
- Automatic CI with github actions
- Automatic pytest run on each commit and other code quality validators