**Read Me – Guide to Code Assessment Task**

**Prerequisites (mentioned in detail ReadMe provided with project.):**

Following are required as part of environment.

* Gradle
* Java 21
* Docker
* Temporal workflow

**Test Cases Execution:** Executing following would result in execution of test cases:

* *com.midas.app.test.StripeIntegrationTest*

**Brief explanation of your implementation:**

**Utilized Stripe Integration for Customer Creation:**

Integrated Stripe functionality into our system to facilitate the creation of customer accounts and seamless updates to their information.

Implemented robust retry mechanisms within the CreateAccountWorkflow and UpdateAccountWorkflow Temporal workflows for resilient handling of customer data operations in Stripe.

**Tracking Workflow Status**

Workflow statuses through the Temporal UI portal, accessible at localhost:8080, offering visibility into the progression of customer data operations.

**Enhanced API Support:**

Introduced a PATCH endpoint, /accounts/{accountId}, enabling partial updates to customer account information within both our internal system and external provider systems. This update includes the integration of providerId and providerType fields into the Account entity and relevant OpenAPI response DTOs for streamlined data management.

**Streamlined Deployment with Docker:**

Streamlined deployment processes with the addition of Dockerfile profiles tailored for staging and production environments. Furthermore, updated postgres image tags ensure compatibility and efficiency across deployment setups.

**Ensuring Integrity through Integration Testing**

Implemented integration tests to verify the seamless functioning of the Stripe Integration workflow, ensuring that customer data operations remain intact throughout system updates.