

## FBIS TAKE HOME TEST

This backend exercise involves vending a product using designated Vending Partners and Network service providers.

Consider the following information below to be the acceptance criteria on which your solution stands.

### Network Providers:

1. MTN
2. GLO

### Vending Partners

1. Biller Aggregation Portal(BAP)
2. Shaggo

### Task:

Write a solution that would simulate users and allow them to vend a network of their choice. Considering the product to be **Airtime Vending** with the network providers (MTN or GLO). After a successful vending, a **commission** of your choice should be distributed to the intended User. Bear in mind that Commissionsto be earned by users are product-based (Airtime).

Your solution should provide an endpoint that switches partners between providers i.e MTN can either vend using BAP partner or Shaggo.

**Your final result should be that a User successfully vends a network (Product) and gets a commission afterward.**

Users should have a Wallet and a deposit of **NGN1000** should be assigned once created and that's where you should deduct the vending Money from.

Things to note would be the following:

1. Your use of try and catch blocks
2. Transaction (Atomicity)
3. SOLID principle usage
4. Design Patterns.
5. Security and Validation

## 6. Code documentation

### How to submit.

Push to a repo of your choice and share the url via email, also ensure your repo has detailed steps to run your code.

Good Luck!

### Required Docs and Credentials.

#### 1. Shaggo Partner API (Postman Documentation)

Uri: <https://documenter.getpostman.com/view/19961344/2sA3JKc1qV>

#### Credentials:

c1df88d180d0163fc53f4efde6288a2c87a2ceaaefae0685fd4a8c01b217e70d

Available on the documentation.

#### 2. Biller Aggregation Portal(BAP) Partner API (Postman Documentation)

Uri: <https://documenter.getpostman.com/view/25151909/2sA3JKc29C>

**Credentials:** Available on the Documentation.