Secure gatepass

## Functionality

Supplier generates a gate pass (auth code) with product details, which is sent to customer as a MFA for paper based gate pass.

Godown owner validates the gate pass and hands over the products.

# Users

Suppler

**classes**

**Supplier class**

**attributes**

supplierId – system generated

firmName – String

phoneNumber – long

address – String

email – String

password – String

**methods**

signUp()

forgotPassword()

resetPassword()

generateGatePass()

resendGatePass()

searchGatePass()

listAllGatePasses()

searchByCustomer()

**Supplier APIs**

APIs

**POST** /secure-gate-pass/supplier/sign-up

**POST** /secure-gate-pass/supplier/forgot-password

**POST** /secure-gate-pass/supplier/reset-password

**POST** /secure-gate-pass/supplier/generate-gatepass

**POST** /secure-gate-pass/supplier/resend-gatepass

**POST** /secure-gate-pass/supplier/search/gatepass

**POST** /secure-gate-pass/supplier/search/customer

**POST** /secure-gate-pass/supplier/list-gatepasses

**Gate pass class**

**attributes**

gatepassId – system generated

supplierId - String

inventoryName - String

inventoryAddress - String

inventoryPhoneNo - long

customerName - String

customerAddress - String

customerPhoneNo - long

products = HashMap(name, price and quantity)

status – (Active, validated, expired)

**methods**

getStatus()

setStatus()

sendSms()

resentSms()

Customer –

Just gets the gatepass over sms

**Types of SMS**

* **Gatepass**
* **Gatepass validated**
* **Gatepass expired**

Inventory worker

Validates gatepass by entering the auth code and retrives the details.

**POST** /secure-gate-pass/inventory/validate-gatepass

GET API – to validate gatepass.

Check if gatepass has not expired or validated – mark validated

If gatepass is already validated/expired – send message