API Documentation

Login

Actor	Everyone
Description	All actors login
Parameters	username: String password: String
Response	JWT token with content consisting of the user details (in json)

CreateLoggedInUserRecord

Actor	FoodIE System
Description	Create records of the user logged in
Parameters	JWTToken: String ActorUser_ID: Long
Response	Return bearer JWTToken

CreateLoggedInUserRecordTransaction

Actor	FoodIE System
Description	Create records of the transaction that the user are using
Parameters	JWTToken: String TransactionJob: Enum LoggedInUserRecordEntity: Long
Response	Return True

FarmerCreateBatch

Actor	Farmer
Description	Allow farmers to create crop asset
URL	http://is4302-3-i.comp.nus.edu.sg:3001/explorer/#!/org95is4302foodie95FarmerCreateBatch/org_is4302foodie_FarmerCreateBatch_create

Parameters	o String cropId
	  o String name
	  o Integer quantity
	  o UOM unitOfMeasurements
	  o String hashTransaction
	  --> Farmer farmer

Response	Return Crop that is created

ProducerCreateBatch

Actor	Producer
Description	Allow producers to create batches of crops from farmers
URL	http://is4302-3-i.comp.nus.edu.sg:3002/explorer/#!/org95is4302foodie95ProducerCreateProcessedBatch/org_is4302foodie_ProducerCreateProcessedBatch_create
Parameters	o String goodId

	o Integer quantity o UOM unitOfMeasurements o String hashTransaction o PackType packType --> Crop crop --> Producer producer
Response	Return finished food that is created

ProducerTransferBatch

Actor	Producer
Description	Allow producers to collect batches of crops from farmers
URL	http://is4302-3-i.comp.nus.edu.sg:3002/explorer/#!/org95is4302foodie95ProducerTransferBatch/org_is4302foodie_ProducerTransferBatch_create
Parameters	--> Crop crop o Integer quantity o UOM unitOfMeasurements o String hashTransaction --> Producer producer
Response	Return Crop that is created

DistributorCollectProcessedBatch

Actor	Distributor
Description	Allow the distributor to change the status of the processed food to "In Delivery"
URL	http://is4302-3-i.comp.nus.edu.sg:3003/explorer/#!/org95is4302foodie95DistributorCollectProcessedBatch/org_is4302foodie_DistributorCollectProcessedBatch_create
Parameters	--> FinishedGood finishedGood o String hashTransaction --> Distributor distributor
Response	Return finished food that is created

RetailerConfirmCollection

Actor	Retailer
Description	Allow the distributor to change the status of the processed food to "Received"
URL	http://is4302-3-i.comp.nus.edu.sg:3004/explorer/#!/org95is4302foodie95RetailerConfirmCollection/org_is4302foodie_RetailerConfirmCollection_create
Parameters	--> FinishedGood finishedGood o String hashTransaction --> Retailer retailer
Response	Return finished the food that is created

ListCropsWhereProducerIsNull

Actor	Producer
Description	Allow the producer to select the crops that is not assigned to producer

URL	http://is4302-3-i.comp.nus.edu.sg:3002/explorer/#!/org95is4302foodie95ListCropsWhereProducerIsNull/org_is4302foodie_ListCropsWhereProducerIsNull_find
Parameters	No parameters
Response	List of Crops that are not assigned to the producer

ListCropsWhereFinishedGoodIsNull

Actor	Producer
Description	Allow Producer to assign the finished food to cops
URL	http://is4302-3-i.comp.nus.edu.sg:3002/explorer/#!/org95is4302foodie95ListCropsWhereFinishedGoodIsNull/org_is4302foodie_ListCropsWhereFinishedGoodIsNull_find
Parameters	No parameters
Response	List of Crop that is assigned to the producer but not finished food

ListFinishedGoodWhereDistributorIsNull

Actor	Distributor
Description	Allow the distributor to assign itself to the finished food that received
URL	http://is4302-3-i.comp.nus.edu.sg:3003/explorer/#!/org95is4302foodie95ListFinishedGoodWhereDistributorIsNull/org_is4302foodie_ListFinishedGoodWhereDistributorIsNull_find
Parameters	No parameters
Response	List of Finished food that is not assigned with Distributor

ListFinishedGoodWhereRetailerIsNull

Actor	Retailer
Description	Allow Retailer to assign itself to the finished food that received
URL	http://is4302-3-i.comp.nus.edu.sg:3004/explorer/#!/org95is4302foodie95ListFinishedGoodWhereRetailerIsNull/org_is4302foodie_ListFinishedGoodWhereRetailerIsNull_find
Parameters	No parameters
Response	List of Finished food that is not assigned with Retailer

Data Space:
1. On-chain database
2. Mysql (Off-chain database)

http://is4302-3-i.comp.nus.edu.sg:3000/explorer/
admin

http://is4302-3-i.comp.nus.edu.sg:3001/explorer/
farmer

http://is4302-3-i.comp.nus.edu.sg:3002/explorer/
producer

http://is4302-3-i.comp.nus.edu.sg:3003/explorer/
distributor

http://is4302-3-i.comp.nus.edu.sg:3004/explorer/
retailer

Farmer:
- View all crops
- Create crops (creating crops for producer)

Producer:
- View crops (allocated to farmer) *collected or not
- Create few batch (allocated to producer pre define) (pre define which retailer and distributor)

Distributor
- View all batch allocated to him
- Change status to collected

Retailer:
- View all batch allocated to him
- Change status to received