API Documentation- OTP

1. GENERATE OTP:

The main objective is to generate OTP based on timestamp.

Service Name	OTP Services
Service Code	INT- OTP
Version	0.0.1
Objective	The main objective of OTP is to generate/validate the OTP.
Service Owner	Souvik Ghosh

Endpoint Information

Title	Generate OTP
URL	/v1/otp
Method Type	HTTP Method: POST Content-Type: Application/JSON Response Format: JSON Requires Authentication: No

Post Body Sample

```json
{
  "operationType": "GENERATE",
  "channel": "Digital",
  "startTime": "2022-12-12 19:04:30",
  "duration": 180,
  "digit": 6,
  "mobile": "8777496061"
}
```

Field Level Description

Key	Sample Value	Type	Required	Editable	Description
operation_type	GENERATE	String	YES	NO	This is the operation type.
channel	Digital	String	YES	YES	Channel for the request
start_time	2022-12-12 19:04:30	String	YES	NO	Time Value in YYYY-mm-dd HH:mm:ss Format
duration	180	Integer	YES	NO	OTP Duration in seconds. i.e. 180 = 3mins
digit	6	Integer	YES	NO	Number of digits for the OTP.
mobile_no	8777496061	String	YES	NO	Mobile Number provided for the request.

Response Message

Status Code	Reponse Model Type	Condition	Payload
200	ResponseModel	Successful API request will return HTTP status code 200 as a response along with a success message as shown below	```{ "status": 200, "message": "OTP is successfully generated", "otp" : "145236", }```
422	ResponseModel	If an API request is well-formed, however, due to semantic errors it is unable to process the contained instructions, an error response of HTTP status code 422 is returned in the following format. The error response has an error code and error description/message.	```{ "timestamp": 1561571053912, "status": 422, "errorCode" : 1, "error-message":"UNPROCESSABLE_ENTITY", "traceID" : "1324567984489789", "error-details": "java.lang.Exception: invalid article title length!\n\tat fn.service.core.controllers.health.SecretDoor.secretDoorBouncer(SecretDoor.java:14)\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)\n\tat....<50 more lines of incomprehensible stack trace>, "path": "/v0.0.1/otp" }```
500	ResponseModel	Server Error For Example: 500 - Internal Server Error	```{ "timestamp": 1561571053912, "status": 500, "errorCode" : 1, "error-message": "Internal Server Error", "traceID" : "1324567984489789", "error-details": "Internal Server Error", "path": "/v1/otp" }```

Development Requirements Rules

Rule Id	Rule	Description
DR-0001	operationType	It will be always 'GENERATE' in case of OTP generation process
DR-0002	channel	Channel for the request, value should match the below options only 1. Digital 2. Partner 3. App 4. Brand
DR-0003	startTime	Time Value in YYYY-mm-dd HH:mm:ss Format, it won't work with any other pattern or setup
DR-0004	duration	It should be an integer value
DR-0005	digit	It should be an integer value
DR-0006	mobile	This field should be a 10 digit number of integer type

2. VALIDATE OTP:

The main objective is to validate the OTP,based on timestamp.

Service Name	OTP Services
Service Code	INT- OTP
Version	1
Objective	The main objective is to validate the OTP.
Service Owner	Souvik Ghosh

Endpoint Information

Title	Validate OTP
URL	/v1/otp
Method Type	HTTP Method: POST Content-Type: Application/JSON Response Format: JSON Requires Authentication: No

Post Body Sample

```
{
    "operationType": "VALIDATE",
    "generatedOtp": "145236",
    "channel": "Digital",
    "startTime": "2022-12-12 19:04:30",
    "duration": 180,
    "digit": 6,
    "mobile": "8777496061"
}
```

Field Level Description

Key	Sample Value	Type	Required	Editable	Description
operationType	VALIDATE	String	YES	NO	This is the operation type. It will be always 'VALIDATE' in case of OTP validation process
generatedOtp	145236	String	YES	NO	This the captured OTP value
channel	Digital	String	YES	YES	Channel for the request 1. Digital 2. Partner 3. App 4. Brand
startTime	2022-12-12 19:04:30	String	YES	NO	Time Value in YYYY-mm-dd HH:mm:ss Format
duration	180	Integer	YES	NO	OTP Duration in seconds. i.e. 180 = 3mins
digit	6	Integer	YES	NO	Number of digits for the OTP.

mobile	8777496061	String	YES	NO	Mobile Number provided for the request.

Response Message

Status Code	Reponse Model Type	Condition	Payload

200	ResponseModel	Successful API request will return HTTP status code 200 as a response along with a success message as shown below	```json
			{
			"status": 200,
			"message": "OTP is successfully verified",
			}```

422	ResponseModel	If an API request is well-formed, however, due to semantic errors it is unable to process the contained instructions, an error response of HTTP status code 422 is returned in the following format. The error response has an error code and error description/message.	```json
			{
			    "timestamp": 1561571053912,
			    "status": 422,
			    "errorCode" : 1,
			"errorMessage":"UNPROCESSABLE_ENTITY",
			    "traceID" : "132456798489789",
			    "errorDetails":
			"java.lang.Exception: invalid article title length!\n\tat fn.service.core.controllers.health.SecretDoor.secretDoorBouncer(SecretDoor.java:14)\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)\n\tat....<50 more lines of incomprehensible stack trace>,
			    "path": "/v1/otp"
			}```

500	ResponseModel	Server Error
		
		For Example: 500 - Internal Server Error
			``json
			{
			    "timestamp": 1561571053912,
			    "status": 500,
			    "errorCode" : 1,
			    "error-message": "Internal Server Error",
			    "traceID" : "1324567984489789",
			    "error-details": "Internal Server Error",
			    "path": "/v1/otp"
			}
			``

Development Requirements Rules

Rule Id	Rule	Description
DR-0001	operationType	It will be always 'VALIDATE' in case of OTP validation process
DR-0002	generatedOtp	It should be an integer value of certain digits & mandatory in the validation process.

DR-0003	channel	Channel for the request, value should match the below options only
		    1. Digital
		    2. Partner
		    3. App
		    4. Brand

DR-0004	startTime	Time Value in YYYY-mm-dd HH:mm:ss Format, it won't work with any other pattern or setup
DR-0005	duration	It should be an integer value
DR-0006	digit	It should be an integer value
DR-0007	mobile	This field should be a 10 digit number of integer type