

# API Documentation

Service Name	OTP
Service Code	otp
Version	v1.1.2
Objective	Generate OTP through TOTP Validate OTP Resend OTP
Service Owner	User

# OTP Generate

This API is used to generate OTP through email .

## Endpoint Information

Title	Generate OTP
URL	api/v1.1.2/otp/generate
Method Type	HTTP Method: POST Content-Type: Application/JSON Response Format: JSON Requires Authentication: No

## Post Body Sample

```
{  
  "name": "Mohammad Arif",  
  "email": "arif841236@gmail.com",  
  "Mobile": "9807240069",  
  "country_code": "91"  
}
```

## Field Level Description

Key	Sample Value	Type	Required	Editable	Description
id	1	Integer	NA	NO	This is the primary key and cannot be null.
name	Mohammad Arif	String	YES	NO	This is the name of the user and it cannot be null.

email	arif841236@gmail.com	String	YES	NO	This is the email of the user and it also not null.
mobile	9808730069	String	YES	NO	This is the mobile number of users and it will not be null.
country_code	91	String	YES	NO	This is the country code and it is not null.

## Response Message

Status Code	Response Mode 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	<pre>{   "StatusCode": 200,   "TraceID" : "1324567984489789",   "OTP" : "189789",   "Message": "OTP generated successfully",   "ID" : 1 }</pre>

422	ResponseModel	<p>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.</p>	<pre>{   "timestamp": 1561571053912,   "statusCode": 422,   "errorCode" : 1,   "message": "OTP not generated",   "error": "Internal Server Error",   "traceID" : "1324567984489789",   "trace": "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(NativeMethodAccessorImpl.invoke0(NativeMethod)\n\tat....&lt;50 more lines of incomprehensible stack trace&gt;,   "path": "/v1.1.2/api/otp/generate" }</pre>
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## Business Requirements Rules

Rule Id	Rule	Description
1	email	The email of the user should be valid and not null.
2	mobile	The mobile of the user should be 10 digit and valid
3	name	Name of the user must not be null.

## Development Requirements Rules

Rule Id	Rule	Description
1	name	The first letter of name will be capital and the length of the name does not extend to 50 letters.

2	email	The email should be valid
3	mobile	Mobile number should be 10 digit and it not be null.
4	country_code	Country code not be null.
5	OTP	OTP must be unique for every request. And it is valid only for 60 seconds. OTP should be 6 digits.
6	User data	Store the data in cache memory.

## OTP Validate

This API is used to validate OTP through TOTP . The primary purpose of this endpoint is to validate the OTP

Title	Generate OTP
URL	api/v1.1.0/otp/validate/OTP
Method Type	HTTP Method: GET Content-Type: Application/JSON Response Format: JSON Requires Authentication: No

## Get Header Sample

```
localhost:7070/api/v1.1.2/otp/validate/198757
```

## Field Level Description

Key	Sample Value	Type	Required	Editable	Description
OTP	198757	Integer	YES	NO	This is the OTP and it is valid for only 60 seconds.

## Response Message

Status Code	Response Mode 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	<pre>{   "StatusCode": 200,   "TraceID" : "1324567984489789",   "Message" : "OTP validate successfully",   "ID" : 1 }</pre>

422	ResponseModel	<p>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.</p>	<pre>{   "timestamp": 1561571053912,   "statusCode": 422,   "errorCode" : 1,   "message": "OTP is not valid",   "error": "Internal Server Error",   "traceID" : "1324567984489789",   "trace": "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(NativeMethodAccessorImpl.invoke0(NativeMethod)\n\tat....&lt;50 more lines of incomprehensible stack trace&gt;,   "path": "/v1.1.2/api/otp/validate" }</pre>
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## Business Requirements Rules

Rule Id	Rule	Description
1	OTP	OTP must be 6 digit
2	OTP	OTP time duration is only 60 seconds.

## Development Requirements Rules

Rule Id	Rule	Description
1	OTP	<p>OTP validation time duration is only 60 seconds.</p> <p>OTP must be unique for every request.</p>

## OTP Resend

This API is used to generate OTP using cache memory user data and resend the OTP through TOTP . The primary purpose of this endpoint is to resend the OTP

Title	Resend OTP
URL	api/v1.1.2/OTP/resend
Method Type	HTTP Method: GET Content-Type: Application/JSON Response Format: JSON Requires Authentication: No

## Field Level Description

Key	Sample Value	Type	Required	Editable	Description
OTP	198757	Integer	YES	NO	This is the OTP and it is valid for only 120 seconds.

## Response Message

Status Code	Response Mode Type	Condition	Payload
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200	ResponseModel	Successful API request will return HTTP status code 200 as a response along with a success message as shown below	<pre>{   "StatusCode": 200,   "TraceID" "1324567984489789",   "Message": "OTP resend successfully",   "ID" : 1 }</pre>
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.	<pre>{   "timestamp": 1561571053912,   "statusCode": 422,   "errorCode" : 1,   "message": "OTP is not valid",   "error": "Internal Server Error",   "traceID" : "1324567984489789",   "trace": "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(NativeMethodAccessorImpl.invoke0(NativeMethod)\n\tat....&lt;50 more lines of incomprehensible stack trace&gt;,   "path": "/v1.1.2/api/otp/resend" }</pre>

## Business Requirements Rules

Rule Id	Rule	Description
1	OTP	OTP sends only 3 times in 1hr.
2	OTP	OTP validation time duration is only 60 seconds. OTP must be unique for every request.
3	OTP	After 5 times resend OTP then block the user for 24 hr.

## Development Requirements Rules

Rule Id	Rule	Description
1	User data	Get the data from cache memory and generate the OTP again.
2	OTP	OTP validation time duration is only 60 seconds. OTP must be unique for every request.
3	OTP	OTP time duration is only 60 seconds.
4	OTP	After 5 times resend OTP then block the user for 24 hr.