API Documentation

|  |  |
| --- | --- |
| Service Name | OTPService |
| Service Code | OTP |
| Version | v1.0 |
| Objective | Generate OTP  Validate OTP  Resend OTP |
| Service Owner | User |

Generate OTP

This API generates the OTP using email.

Endpoint Information

|  |  |
| --- | --- |
| Title | Generate OTP |
| URL | /v1.0/otp/generateOTP |
| Method Type | HTTP Method: POST  Content-Type: Application/JSON  Response Format: JSON  Requires Authentication: No |

Post Body Sample

|  |
| --- |
| {  "username": "Sibtain Ahmad",  "email": "[sibtain@gmail.com](mailto:sibtain@gmail.com)",  "number": "1234567890"  } |

Field Level Description

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Sample Value** | **Type** | **Required** | **Editable** | **Description** |
| name | Sibtain | String | Yes | NO | This is the name of a user that can’t be null |
| email | sibtain@gmail.com | String | Yes | No | This is the email of a user that can’t be invalid |
| number | 1234567890 | String | Yes | No | This is official mobile number of a user that can’t be null |
| country\_code | +91 | String | Yes | No | Country code that specifies county |

Response Message

|  |  |  |  |
| --- | --- | --- | --- |
| **Status Code** | **Reponse Mode Type** | **Condition** | **Payload** |
| 200 | ResponseModel | Successful API request will return HTTP status code 200 as a response along with a success message and OTP as shown below | { "StatusCode": 200,  "TraceID" : "1324567984489789", "otp" : "132456", "Message": "Generated OTP", } |
| 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. | {  "statusCode": 422,  "errorCode" : 1,  "message": "Unprocessable Entity",   "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,  "path": "/v1.0/otp/generateOTP" } |

Business Requirements Rules

|  |  |  |
| --- | --- | --- |
| **Rule Id** | **Rule** | **Description** |
| BR-0001 | OTP | OTP must be 6 digits |
| BR-0002 | Email | Email should be valid email |
| BR-0003 | Mobile Number | must be 10 digit |

Development Requirements Rules

|  |  |  |
| --- | --- | --- |
| **Rule Id** | **Rule** | **Description** |
| DR-0001 | name | The name can’t be null |
| DR-0002 | email | The email must be a unique value. |
| DR-0003 | Mobile number | Each user has a mobile number |
| DR-0004 | Country code | should be defined |

Validate OTP

This API is used to validate the OTP using generated OTP.

Endpoint Information

|  |  |
| --- | --- |
| Title | Validate OTP |
| URL | /v1.0/otp/validateOTPs |
| Method Type | HTTP Method: POST  Content-Type: Application/JSON  Response Format: JSON  Requires Authentication: No |

Post Body Sample

|  |
| --- |
| {  "otp": "123456" } |

Field Level Description

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Sample Value** | **Type** | **Required** | **Editable** | **Description** |
| OTP | 123456 | String | Yes | NO | This is provided otp of a user that can’t be null |

Response Message

|  |  |  |  |
| --- | --- | --- | --- |
| **Status Code** | **Reponse Mode Type** | **Condition** | **Payload** |
| 200 | ResponseModel | Successful API request will return HTTP status code 200 as a response along with a success message. | { "StatusCode": 200,  "TraceID" : "1324567984489789", "Message": "OTP validated", } |
| 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. | {  "statusCode": 422,  "errorCode" : 1,  "message": "Unprocessable Entity",   "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(Native Method)\n\tat....<50 more lines of incomprehensible stack trace>,  "path": "/v1.0/otp/validateOTPs" } |

Business Requirements Rules

|  |  |  |
| --- | --- | --- |
| **Rule Id** | **Rule** | **Description** |
| BR-0001 | Generated OTP | OTP must be 6 digits |

Development Requirements Rules

|  |  |  |
| --- | --- | --- |
| **Rule Id** | **Rule** | **Description** |
| DR-0001 | OTP | The OTP can’t be null |

Resend OTP

This API is used to resend the OTP using email.

Endpoint Information

|  |  |
| --- | --- |
| Title | Generate OTP |
| URL | api/v1.0/otp/resendOTP |
| Method Type | HTTP Method: POST  Content-Type: Application/JSON  Response Format: JSON  Requires Authentication: No |

Post Body Sample

|  |
| --- |
| {  } |

Field Level Description

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Sample Value** | **Type** | **Required** | **Editable** | **Description** |
| name | Sibtain | String | Yes | NO | This is the name of a user that can’t be null |
| email | sibtain@gmail.com | String | Yes | No | This is the email of a user that can’t be invalid |
| number | 1234567890 | String | Yes | No | This is official mobile number of a user that can’t be null |
| country\_code | +91 | String | Yes | No | Country code that specifies county |

Response Message

|  |  |  |  |
| --- | --- | --- | --- |
| **Status Code** | **Reponse Mode Type** | **Condition** | **Payload** |
| 200 | ResponseModel | Successful API request will return HTTP status code 200 as a response along with a success message and OTP as shown below | { "StatusCode": 200,  "TraceID" : "1324567984489789", "otp" : "132456", "Message": "Generate OTP", } |
| 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,  "statusCode": 422,  "errorCode" : 1,  "message": "Unprocessable Entity",   "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(Native Method)\n\tat....<50 more lines of incomprehensible stack trace>,  "path": "/v1.0/otp/resendOTP" } |

Business Requirements Rules

|  |  |  |
| --- | --- | --- |
| **Rule Id** | **Rule** | **Description** |
| BR-0001 | OTP | OTP must be 6 digits |
| BR-0002 | Email | Email should be valid email |
| BR-0003 | Mobile Number | must be 10 digit |

Development Requirements Rules

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| --- | --- | --- |
| **Rule Id** | **Rule** | **Description** |
| DR-0001 | name | The name can’t be null |
| DR-0002 | email | The email must be a unique value. |
| DR-0003 | Mobile number | Each user has a mobile number |
| DR-0004 | Country code | should be defined |