# **MusicGenerationWebService**

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n4mespace

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#### **Module contents**

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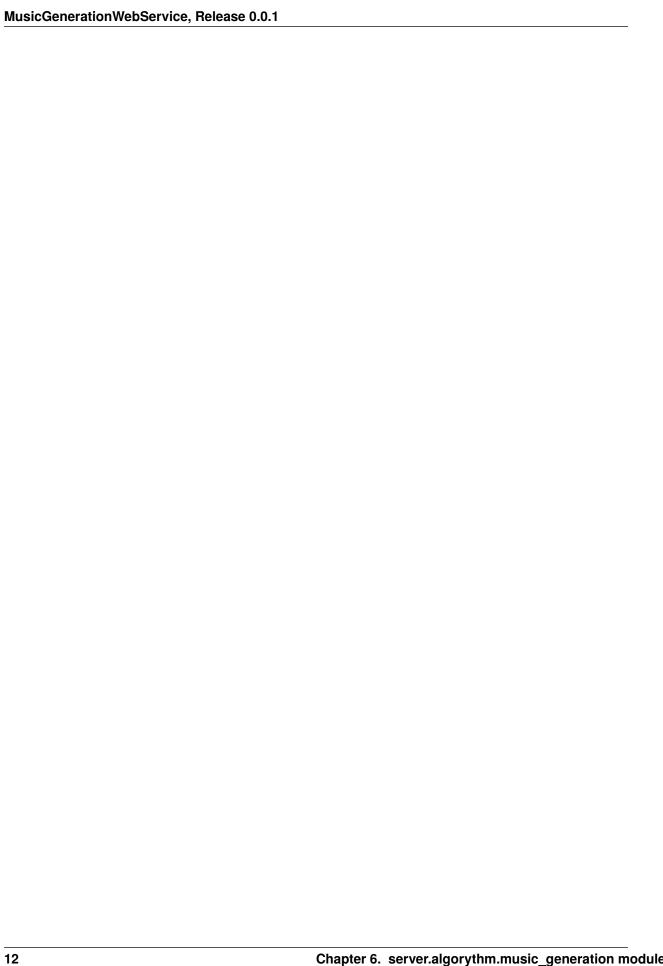
## server.algorythm.music\_generation module

```
server.algorythm.music_generation.generate ( genre: str, checkpoint\_dir: str, sess: tensorflow.python.client.session.Session, params: dict ) <math>\rightarrow str Generate music given model session and params

Parameters • {str} -- genre name (genre) -
```

```
• {str} -- chechpoint path (checkpoint_dir) -
• {tf.Session} -- model session (sess) -
• {dict} -- additional params (params) -
```

**Returns** str – generated music



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#### server.errors.handlers module

```
server.errors.handlers.bad_request ( message )
server.errors.handlers.error_response ( status_code, message=None )
async server.errors.handlers.internal_error ( error )
async server.errors.handlers.not_found_error ( error )
server.errors.handlers.wants_json_response ( )
```

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#### server.main.routes module

```
class server.main.routes.HealthCheck
    Bases: quart_openapi.Resource
    Server success startup checker
    Extends:
        Resource
    async get ( ) \rightarrow quart.wrappers.response.Response
        GET checker
        Must return json with success status
    methods: Optional[List[str]] = ['GET', 'POST']
    async post ( ) → quart.wrappers.response.Response
        POST checker
        Must get data and return json with success status
class server.main.routes.Service
    Bases: quart_openapi.Resource
    Main page
    Serve client side
    Extends:
        Resource
    genres = ['classical', 'jazz', 'rock']
    async get ( ) \rightarrow quart.wrappers.response.Response
        Main page
        Renders main page template
    methods: Optional[List[str]] = ['GET']
```

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