



# Grammy Service Endpoints - OpenAPI 3.1.1

0.0.1 OAS 3.1

./grammy.yaml

OpenAPI specification for Laboratory work №1 of Service-oriented architecture at ITMO-University.

[Roman Kobelev & Balin Artem - Website](#)

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Servers

https://localhost:5252/api/v1/grammy - Helios

## default



POST /band/{band-id}/singles/add Add a single to the band



Add a single to the band. Accepts a string in body

Parameters

Cancel

Name	Description
band-id * required integer(\$int32) (path)	ID of the band to add a single to <div>123</div>

Request body required

application/xml

Edit Value Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<SingleSchema>
  <name>string</name>
</SingleSchema>
```



Execute

Responses

Code	Description	Links
201	<div>Created. Returns created object</div> <div>Media type<div>application/xml</div>Controls Accept header.</div> <div>Example ValueSchema<div>&lt;?xml version="1.0" encoding="UTF-8"?&gt;&lt;single&gt;  &lt;name&gt;string&lt;/name&gt;  &lt;tracks&gt;1&lt;/tracks&gt;&lt;/single&gt;</div></div>	No links
400	<div>Bad Request - Invalid name parameter.</div> <div>Media type<div>application/xml</div></div> <div>Example ValueSchema<div>&lt;?xml version="1.0" encoding="UTF-8"?&gt;&lt;error&gt;  &lt;code&gt;400&lt;/code&gt;  &lt;message&gt;Bad Request&lt;/message&gt;&lt;/error&gt;</div></div>	No links
404	<div>Not Found - Musicband not found.</div> <div>Media type<div>application/xml</div></div> <div>Example ValueSchema<div>&lt;?xml version="1.0" encoding="UTF-8"?&gt;&lt;error&gt;</div></div>	No links

Code	Description	Links
	<pre>&lt;code&gt;404&lt;/code&gt; &lt;message&gt;Not Found&lt;/message&gt; &lt;/error&gt;</pre>	
422	Parameter 'id' must be a positive integer.  Media type <div>application/xml</div> Example Value Schema  <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;422&lt;/code&gt;   &lt;message&gt;Unprocessable Entity&lt;/message&gt; &lt;/error&gt;</pre>	No links
500	Internal Server Error  Media type <div>application/xml</div> Example Value Schema  <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;500&lt;/code&gt;   &lt;message&gt;Internal Server Error&lt;/message&gt; &lt;/error&gt;</pre>	No links
503	Service Unavailable  Media type <div>application/xml</div> Example Value Schema  <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;503&lt;/code&gt;   &lt;message&gt;Service Unavailable&lt;/message&gt; &lt;/error&gt;</pre>	No links
default	Returns error code and message in case of error  Media type <div>application/xml</div> Example Value Schema  <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;500&lt;/code&gt;   &lt;message&gt;Internal Server Error&lt;/message&gt; &lt;/error&gt;</pre>	No links

POST

/band/{band-id}/participants/add

Add a participant to the band

^

Add a participant to the band

Name	Description
<b>band-id</b> * required integer(\$int32) (path)	ID of the band to add a participant to <div>404</div>

Request body required

application/xml

Edit Value

Schema

```
<?xml version="1.0" encoding="UTF-8"?>
<ParticipantSchema>
  <name>string</name>
</ParticipantSchema>
```



Execute

Responses

Code	Description	Links
201	<div>Created. Returns new object</div> <div>Media type</div> <div>application/xml</div> <div>Controls Accept header.</div> <div>Example Value</div> <div>Schema</div> <pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;musicBandAllSchema&gt;   &lt;name&gt;string&lt;/name&gt;   &lt;coordinates&gt;     &lt;x&gt;-975&lt;/x&gt;     &lt;y&gt;1&lt;/y&gt;   &lt;/coordinates&gt;   &lt;numberOfParticipants&gt;1&lt;/numberOfParticipants&gt;   &lt;albumsCount&gt;1&lt;/albumsCount&gt;   &lt;description&gt;string&lt;/description&gt;</pre>	No links

Code	Description	Links
	<pre>&lt;genre&gt;PSYCHEDELIC_CLOUD_RAP&lt;/genre&gt; &lt;album&gt;   &lt;name&gt;string&lt;/name&gt;   &lt;tracks&gt;1&lt;/tracks&gt; &lt;/album&gt; &lt;id&gt;1&lt;/id&gt; &lt;creationDate&gt;2025-09-19&lt;/creationDate&gt; &lt;/musicBandAllSchema&gt;</pre>	
400	<div>Bad Request - Invalid name parameter.</div> <div>Media type</div> <div>application/xml</div> <div>Example Value Schema</div> <div>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;400&lt;/code&gt;   &lt;message&gt;Bad Request&lt;/message&gt; &lt;/error&gt;</div>	No links
404	<div>Not Found - Musicband not found.</div> <div>Media type</div> <div>application/xml</div> <div>Example Value Schema</div> <div>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;404&lt;/code&gt;   &lt;message&gt;Not Found&lt;/message&gt; &lt;/error&gt;</div>	No links
422	<div>Parameter 'id' must be a positive integer.</div> <div>Media type</div> <div>application/xml</div> <div>Example Value Schema</div> <div>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;422&lt;/code&gt;   &lt;message&gt;Unprocessable Entity&lt;/message&gt; &lt;/error&gt;</div>	No links
500	<div>Internal Server Error</div> <div>Media type</div> <div>application/xml</div> <div>Example Value Schema</div> <div>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;500&lt;/code&gt;   &lt;message&gt;Internal Server Error&lt;/message&gt; &lt;/error&gt;</div>	No links
503	<div>Service Unavailable</div> <div>Media type</div> <div>application/xml</div>	No links

Code	Description	Links
	<div><div>Example Value</div><div>Schema</div></div> <div><pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;503&lt;/code&gt;   &lt;message&gt;Service Unavailable&lt;/message&gt; &lt;/error&gt;</pre></div>	
default	<div>Returns error code and message in case of error</div> <div>Media type</div> <div><div>application/xml</div></div> <div><div>Example Value</div><div>Schema</div></div> <div><pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;error&gt;   &lt;code&gt;500&lt;/code&gt;   &lt;message&gt;Internal Server Error&lt;/message&gt; &lt;/error&gt;</pre></div>	No links

Schemas	
<div><div>Single</div><div><div>^</div><div>Collapse all</div><div>object</div></div><div><div>name*</div><div>string</div><div>≥ 1 characters</div></div><div><div>tracks*</div><div>integer</div><div>≥ 1 int64</div></div><div><div>XML</div><div><div>^</div><div>Collapse all</div><div>object</div></div><div><div>name=</div><div>single</div></div></div></div>	
<div><div>SingleSchema</div><div><div>^</div><div>Collapse all</div><div>object</div></div><div><div>name*</div><div><div>^</div><div>Collapse all</div><div>string</div></div></div><div><div>XML</div><div><div>^</div><div>Collapse all</div><div>object</div></div><div><div>name=</div><div>name</div></div></div></div>	
<div><div>ParticipantSchema</div><div><div>^</div><div>Collapse all</div><div>object</div></div><div><div>name*</div><div><div>^</div><div>Collapse all</div><div>string</div></div><div>≥ 1 characters</div></div><div>Имя нового участника.</div></div>	
<div><div>ServiceUnavailableError</div><div><div>^</div><div>Collapse all</div><div>object</div></div><div><div>code*</div><div><div>^</div><div>Collapse all</div><div>integer</div></div><div>int32</div></div><div>Example=503</div></div> <div><div>message*</div><div><div>^</div><div>Collapse all</div><div>string</div></div><div>Example="Service Unavailable"</div></div> <div><div>XML</div><div><div>^</div><div>Collapse all</div><div>object</div></div></div>	

*name=error*

VALID

