



Punchclock API

1.0.0 OAS3

/q/openapi

Dokumentation der Schnittstelle des Übungsprojekts Punchclock

Authorize



Bookings

Handling of bookings



GET

/bookings Index all entries.



Returns a list of all entries.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	<div><div>OK</div><div>Media type</div><div><div>application/json</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div><div><pre>[{ "id": 0, "user": { "id": 0, "userType": { "id": 0, "users": ["string"], "title": "string" }, "booking": ["string"], "surname": "string", "firstname": "string", "email": "string", "password": "string", "bookings": ["string"] }, "space": { "id": 0, "spaceType": { "id": 0, "spaces": [</pre></div></div></div>	No links
401	Not Authorized	No links

Code	Description	Links
403	Not Allowed	No links

POST **/bookings** Creates a new booking.

^ 

Creates a new booking and returns the newly added booking.

Parameters

Try it out

No parameters

Request body

application/json

Example Value Schema

```
{
  "user": {
    "userType": {
      "users": [
        "string"
      ],
      "title": "string"
    },
    "booking": [
      "string"
    ],
    "surname": "string",
    "firstname": "string",
    "email": "string",
    "password": "string",
    "bookings": [
      "string"
    ]
  },
}
```



```
"space": {
  "spaceType": {
    "spaces": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    "string"
  ]
}
```

Responses

Code	Description	Links
------	-------------	-------

200	OK	No lin
-----	----	--------

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "user": {
    "id": 0,
    "userType": {
      "id": 0,
      "users": [
        "string"
      ],
      "title": "string"
    },
    "booking": [
      "string"
    ],
    "surname": "string",
    "firstname": "string",
  }
}
```

Code

```
"email": "string",
"password": "string",
"bookings": [
  "string"
],
"space": {
  "id": 0,
  "spaceType": {
    "id": 0,
    "spaces": [

```

401
Not Authorized

403
Not Allowed

Links

No links

No links

PUT /bookings/{id} Updates an booking.



Updates an booking by its id.

Parameters

Try it out

Name Description

id * required
integer(\$int64)
(path)

id

Request body

application/json

Example Value Schema

```
{
  "user": {
    "userType": {
      "users": [
        "string"
      ],
      "title": "string"
    },
    "booking": [
      "string"
    ],
    "surname": "string",
    "firstname": "string",
    "email": "string",
    "password": "string",
    "bookings": [
      "string"
    ]
  },
  "space": {
    "spaceType": {
      "spaces": [
        "string"
      ],
      "title": "string"
    },
    "booking": [
      "string"
    ]
  }
}
```

Responses

Code	Description	Links
200	OK	No links
Media type		

Code

Description

Links

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "user": {
    "id": 0,
    "userType": {
      "id": 0,
      "users": [
        "string"
      ],
      "title": "string"
    },
    "booking": [
      "string"
    ],
    "surname": "string",
    "firstname": "string",
    "email": "string",
    "password": "string",
    "bookings": [
      "string"
    ]
  },
  "space": {
    "id": 0,
    "spaceType": {
      "id": 0,
      "spaces": [
        "string"
      ]
    }
  }
}
```

401

Not Authorized

No links

403

Not Allowed

No links

DELETE /bookings/{id} Deletes an booking.



Deletes an booking by its id.

Parameters

[Try it out](#)

Name

Description

id * required

integer(\$int64)
(path)

id

Responses

Code

Description

Links

204

No Content

No links

401

Not Authorized

No links

403

Not Allowed

No links

Session Handling of sessions



POST

/session Authenticate a user.



Returns a token upon successful authentication.

Parameters

[Try it out](#)

No parameters

Request body

[application/json](#)

Example Value Schema

```
{
  "email": ";",
  "password": "p"
}
```

Responses

Code	Description	Links
200	OK	No links



POST **/signin** Register a user.



Returns a token upon successful authentication.

Parameters

Try it out

No parameters

Request body

application/json

Example Value Schema

```
{
  "userType": {
    "users": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    {
      "user": "string",
      "space": {
        "spaceType": {
          "spaces": [
            "string"
          ],
          "title": "string"
        },
        "booking": [
          "string"
        ],
        "title": "string",
        "price": 0,
        "bookingId": [
```

```
    "string"  
  ]  
},  
"startDate": "2022-03-10T12:15:50",  
"endDate": "2022-03-10T12:15:50"
```

Responses

Code	Description	Links
200	OK	No links

SpaceTypes Handling of spaceTypes

GET **/spaceTypes** Index all categories.



Returns a list of all categories.

Parameters

Try it out

No parameters

Responses

Code

Description

Links

200

OK

No links

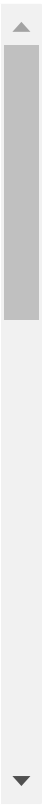
Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "id": 0,
    "spaces": [
      {
        "id": 0,
        "spaceType": "string",
        "booking": [
          {
            "id": 0,
            "user": {
              "id": 0,
              "userType": {
                "id": 0,
                "users": [
                  "string"
                ],
                "title": "string"
              },
            },
            "booking": [
              "string"
            ],
            "surname": "string",
            "firstname": "string",
            "email": "string",
            "password": "string",
            "bookings": [
              "string"
            ]
          }
        ]
      }
    ]
  }
]
```



401

Not Authorized

No links

Code	Description	Links
403	Not Allowed	No links
<div>POST /spaceTypes Creates a new spaceType.<div>^🔒</div></div>		
<div>Creates a new spaceType and returns the newly added spaceType.</div>		
<div>Parameters</div>		<div>Try it out</div>
<div>No parameters</div>		
<div>Request body</div>		<div>application/json</div>
<div><div>Example ValueSchema</div><div><pre>{ "spaces": [{ "spaceType": "string", "booking": [{ "user": { "userType": { "users": ["string"], "title": "string" }, "booking": ["string"], "surname": "string", "firstname": "string", "email": "string", "password": "string", </pre></div></div>		

```
"bookings": [
  "string"
],
"space": "string",
"startDate": "2022-03-10T12:15:50",
"endDate": "2022-03-10T12:15:50",
"price": 0,
```

Responses

Code	Description	Links
200	OK	No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "spaces": [
    {
      "id": 0,
      "spaceType": "string",
      "booking": [
        {
          "id": 0,
          "user": {
            "id": 0,
            "userType": {
              "id": 0,
              "users": [
                "string"
              ],
            },
            "title": "string"
          }
        }
      ]
    }
  ]
}
```

Code

```
},
"booking": [
  "string"
],
"surname": "string",
"firstname": "string",
"email": "string",
"password": "string",
"bookings": [
  "string"
]
```

401
Not Authorized

403
Not Allowed

Links

No links

No links

PUT **/spaceTypes/{id}** Updates an spaceType.



Updates an spaceType by its id.

Parameters

Try it out

Name **Description**

id * required
integer(\$int64)
(path)

id

Request body

application/json

Example Value Schema

```
{
  "spaces": [
    {
      "spaceType": "string",
      "booking": [
        {
          "user": {
            "userType": {
              "users": [
                "string"
              ],
              "title": "string"
            },
            "booking": [
              "string"
            ],
            "surname": "string",
            "firstname": "string",
            "email": "string",
            "password": "string",
            "bookings": [
              "string"
            ]
          },
          "space": "string",
          "startDate": "2022-03-10T12:15:50",
          "endDate": "2022-03-10T12:15:50",
          "price": 0,

```

Responses

Code	Description	Links
200	OK	No links
Media type		

Code

Description

Links

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "spaces": [
    {
      "id": 0,
      "spaceType": "string",
      "booking": [
        {
          "id": 0,
          "user": {
            "id": 0,
            "userType": {
              "id": 0,
              "users": [
                "string"
              ],
              "title": "string"
            },
            "booking": [
              "string"
            ],
            "surname": "string",
            "firstname": "string",
            "email": "string",
            "password": "string",
            "bookings": [
              "string"
            ]
          }
        ]
      ]
    }
  ]
}
```

401

Not Authorized

No links

403

Not Allowed

No links

DELETE /spaceTypes/{id} Deletes an spaceType.



Deletes an spaceType by its id.

Parameters

[Try it out](#)

Name

Description

id * required

integer(\$int64)
(path)

Responses

Code

Description

Links

204

No Content

No links

401

Not Authorized

No links

403

Not Allowed

No links





Returns a list of all categories.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	<div>OK</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div>[{ "id": 0, "spaceType": { "id": 0, "spaces": ["string"], "title": "string" }, "booking": [{ </div>	No links

Code

```
"id": 0,
"user": {
  "id": 0,
  "userType": {
    "id": 0,
    "users": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    "string"
  ],
  "surname": "string",
  "firstname": "string",
  "email": "string"
```

401
Not Authorized

403
Not Allowed

Links

No links

No links

POST **/spaces** Creates a new space.



Creates a new space and returns the newly added space.

Parameters

Try it out

No parameters

Request body

application/json

Example Value Schema

```
{
  "spaceType": {
    "spaces": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    {
      "user": {
        "userType": {
          "users": [
            "string"
          ],
          "title": "string"
        },
        "booking": [
          "string"
        ],
        "surname": "string",
        "firstname": "string",
        "email": "string",
        "password": "string",
        "bookings": [
          "string"
        ]
      },
      "space": "string",
```

Responses

Code	Description	Links
200	OK	No links

Media type

application/json

Controls Accept header.

Code	Description	Links
	<div>Example Value</div> <div>Schema</div> <div><pre>{ "id": 0, "spaceType": { "id": 0, "spaces": ["string"], "title": "string" }, "booking": [{ "id": 0, "user": { "id": 0, "userType": { "id": 0, "users": ["string"], "title": "string" }, "booking": ["string"], "surname": "string", "firstname": "string", "email": "string", "password": "string",</pre></div>	<div></div>
401	Not Authorized	No links
403	Not Allowed	No links
PUT	/spaces/{id} Updates an space.	<div></div> <div></div>
Updates an space by its id.		

Parameters

Try it out

Name

Description

id * required
integer(\$int64)
(path)

id

Request body

application/json

Example Value Schema

```
{
  "spaceType": {
    "spaces": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    {
      "user": {
        "userType": {
          "users": [
            "string"
          ],
          "title": "string"
        },
        "booking": [
          "string"
        ],
        "surname": "string",
        "firstname": "string",
        "email": "string",
        "password": "string",
        "bookings": [
          "string"
        ]
      },
      "space": "string",
```

Responses

Code	Description	Links
200	OK	No links

Media type

application/json

Controls Accept header.

Code	Description	Links
	<div><div>Example Value</div><div>Schema</div></div> <pre>{ "id": 0, "spaceType": { "id": 0, "spaces": ["string"], "title": "string" }, "booking": [{ "id": 0, "user": { "id": 0, "userType": { "id": 0, "users": ["string"], "title": "string" }, "booking": ["string"], "surname": "string", "firstname": "string", "email": "string", "password": "string",</pre>	<div></div>
401	Not Authorized	No links
403	Not Allowed	No links
DELETE /spaces/{id} Deletes an space.		<div></div>
Deletes an space by its id.		

Parameters

Try it out

Name	Description
id * required integer(\$int64) (path)	<div>id</div>

Responses

Code	Description	Links
204	No Content	No links
401	Not Authorized	No links
403	Not Allowed	No links

UserType Handling of userTypes



GET	/userTypes	Index all categories.	
-----	------------	-----------------------	--

Returns a list of all categories.

Parameters

Try it out

No parameters

Responses

CodeDescriptionLinks

200OKNo links

Media type

application/json

Controls Accept header.

Example ValueSchema

```
[
  {
    "id": 0,
    "users": [
      {
        "id": 0,
        "userType": "string",
        "booking": [
          {
            "id": 0,
            "user": "string",
            "space": {
              "id": 0,
              "spaceType": {
                "id": 0,
```



Code

```
"spaces": [  
  "string"  
],  
"title": "string"  
},  
"booking": [  
  "string"  
],  
"title": "string",  
"price": 0,  
"bookingId": [  
  "string"  
]  
}
```

401
Not Authorized

403
Not Allowed

Links

No links

No links

POST **/userTypes** Creates a new userType.



Creates a new userType and returns the newly added userType.

Parameters

Try it out

No parameters

Request body

application/json

Example Value Schema

```
{  
  "users": [  
    {
```



```
"userType": "string",
"booking": [
  {
    "user": "string",
    "space": {
      "spaceType": {
        "spaces": [
          "string"
        ],
        "title": "string"
      },
      "booking": [
        "string"
      ],
      "title": "string",
      "price": 0,
      "bookingId": [
        "string"
      ]
    },
    "startDate": "2022-03-10T12:15:50",
    "endDate": "2022-03-10T12:15:50",
    "price": 0,
    "state": true
  }
]
```

Responses

Code	Description	Links
200	<div>OK</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div>	No links

Code

Description

Links

```
{
  "id": 0,
  "users": [
    {
      "id": 0,
      "userType": "string",
      "booking": [
        {
          "id": 0,
          "user": "string",
          "space": {
            "id": 0,
            "spaceType": {
              "id": 0,
              "spaces": [
                "string"
              ],
              "title": "string"
            },
            "booking": [
              "string"
            ],
            "title": "string",
            "price": 0,
            "bookingId": [
              "string"
            ]
          }
        }
      ]
    }
  ],
},
```

401

Not Authorized

No links

403

Not Allowed

No links

PUT

/userTypes/{id} Updates an userType.

Updates an userType by its id.

Parameters

Try it out

Name

Description

id * required

integer(\$int64)
(path)

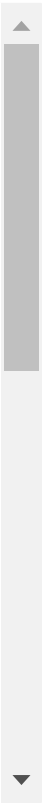
id

Request body

application/json

Example Value Schema

```
{
  "users": [
    {
      "userType": "string",
      "booking": [
        {
          "user": "string",
          "space": {
            "spaceType": {
              "spaces": [
                "string"
              ],
              "title": "string"
            },
            "booking": [
              "string"
            ],
            "title": "string",
            "price": 0,
            "bookingId": [
              "string"
            ]
          },
          "startDate": "2022-03-10T12:15:50",
          "endDate": "2022-03-10T12:15:50",
          "price": 0,
          "state": true
        }
      ]
    }
  ]
}
```



Responses

Code	Description	Links
------	-------------	-------

200	OK	No links
-----	----	----------

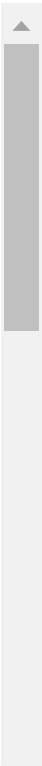
Media type



application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "users": [
    {
      "id": 0,
      "userType": "string",
      "booking": [
        {
          "id": 0,
          "user": "string",
          "space": {
            "id": 0,
            "spaceType": {
              "id": 0,
              "spaces": [
                "string"
              ],
              "title": "string"
            },
            "booking": [
              "string"
            ],
            "title": "string",
            "price": 0,
            "bookingId": [
              "string"
            ]
          }
        }
      ]
    }
  ]
}
```





Code	Description	Links
401	Not Authorized	No links
403	Not Allowed	No links
DELETE <code>/userTypes/{id}</code> Deletes an userType.		 
Deletes an userType by its id.		
Parameters		Try it out
Name	Description	
id <small>* required</small> integer(\$int64) (path)	<div>id</div>	
Responses		
Code	Description	Links
204	No Content	No links

Code	Description	Links
401	Not Authorized	No links
403	Not Allowed	No links

Users

Handling of users



GET	/users	Index all categories.	 
Returns a list of all categories.			
Parameters			Try it out
No parameters			
Responses			
Code	Description	Links	
200	OK	No links	
	Media type		

Code

Description

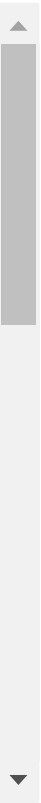
Links

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "id": 0,
    "userType": {
      "id": 0,
      "users": [
        "string"
      ],
      "title": "string"
    },
    "booking": [
      {
        "id": 0,
        "user": "string",
        "space": {
          "id": 0,
          "spaceType": {
            "id": 0,
            "spaces": [
              "string"
            ],
            "title": "string"
          },
          "booking": [
            "string"
          ],
          "title": "string",
          "price": 0,
```



401

Not Authorized

No links

403

Not Allowed

No links

POST /users Creates a new user.



Creates a new user and returns the newly added user.

Parameters

[Try it out](#)

No parameters

Request body

application/json

Example Value Schema

```
{
  "userType": {
    "users": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    {
      "user": "string",
      "space": {
        "spaceType": {
          "spaces": [
            "string"
          ],
          "title": "string"
        },
        "booking": [
          "string"
        ],
        "title": "string",
        "price": 0,
        "bookingId": [
          "string"
        ]
      },
      "startDate": "2022-03-10T12:15:50",
      "endDate": "2022-03-10T12:15:50",
    }
  ]
}
```

Responses

Code

Description

Links

200

OK

No links



Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "userType": {
    "id": 0,
    "users": [
      "string"
    ],
    "title": "string"
  },
  "booking": [
    {
      "id": 0,
      "user": "string",
      "space": {
        "id": 0,
        "spaceType": {
          "id": 0,
          "spaces": [
            "string"
          ],
          "title": "string"
        },
        "booking": [
          "string"
        ],
        "title": "string",
```

Code	Description	Links
401	Not Authorized	No links
403	Not Allowed	No links
PUT /users/{id}	Updates an user.	 
Updates an user by its id.		
Parameters		Try it out
Name	Description	
id <small>* required</small> integer(\$int64) (path)	id	
Request body		application/json
Example Value Schema		
<pre>{ "userType": { "users": ["string"], "title": "string" }, </pre>		

```
"booking": [
  {
    "user": "string",
    "space": {
      "spaceType": {
        "spaces": [
          "string"
        ],
        "title": "string"
      },
      "booking": [
        "string"
      ],
      "title": "string",
      "price": 0,
      "bookingId": [
        "string"
      ]
    },
    "startDate": "2022-03-10T12:15:50",
    "endDate": "2022-03-10T12:15:50",
  }
]
```

Responses

Code

Description

Links

200

OK

No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "id": 0,
  "userType": {
    "id": 0,
```

Code

```
"users": [
  "string"
],
"title": "string"
},
"booking": [
  {
    "id": 0,
    "user": "string",
    "space": {
      "id": 0,
      "spaceType": {
        "id": 0,
        "spaces": [
          "string"
        ],
        "title": "string"
      },
      "booking": [
        "string"
      ],
      "title": "string",
      "price": 0,
      "bookingId": 0
    }
  }
]
```

401

Not Authorized

403

Not Allowed

Links

No links

No links

DELETE **/users/{id}** Deletes an user.



Deletes an user by its id.

Parameters

Try it out

Name

Description

id * required

integer(\$int64)
(path)

id

Responses

Code

Description

Links

204

No Content

No links

401

Not Authorized

No links

403

Not Allowed

No links

Schemas



```

ApplicationUser {
  id          integer($int64)
             readOnly: true
  userType    UserType    {...}
  booking     [...]
  surname     string
  firstname   string
  email       string
  password    string
  bookings    [...]
}

```

```

Booking {
  id          integer($int64)
             readOnly: true
  user        ApplicationUser  {...}
  space       Space      {...}
  startDate   LocalDateTime string($date-time)
             example: 2022-03-10T12:15:50
  endDate     LocalDateTime string($date-time)
             example: 2022-03-10T12:15:50
  price       number($float)
  state       boolean
}

```

```

Credential {
  email*     string
             pattern: \S
  password*  string
             pattern: \S
}

```

LocalDateTime `string($date-time)`

example: 2022-03-10T12:15:50

```
Space    {
id        integer($int64)
          readOnly: true
spaceType SpaceType    {...}
booking   [...]
title     string
price     number($float)
bookingId [...]
}
```

```
SpaceType {
id        integer($int64)
          readOnly: true
spaces    [...]
title     string
}
```

```
UserType {
id        integer($int64)
          readOnly: true
users     [...]
title     string
}
```