API LESSON SCHEDULING

|  |  |
| --- | --- |
| GET | ServletController?action=list-users |

LOGIN: TRUE

ADMIN: TRUE

HTTP 200 OK

[

{

"id": 1,

"name": "Raul",

"surname": "Palade",

"email": "raul.palade@edu.unito.it",

"administrator": false

}

]

HTTP 401 UNAUTHORIZED

|  |  |
| --- | --- |
| GET | [ServletController?action=list-teachers](http://localhost:8080/ServletController?action=list-courses) |

LOGIN: FALSE

ADMIN: FALSE

HTTP 200 OK

[

{

"id": 1,

"name": "Luca",

"surname": "Roversi",

"email": "luca.roversi@unito.it"

}

]

|  |  |
| --- | --- |
| GET | [ServletController?action=list-teachers](http://localhost:8080/ServletController?action=list-courses)-availability |

LOGIN: FALSE

ADMIN: FALSE

Parameters: teacher-email: String

HTTP 200 OK

[

{

"id": 1,

"day": "Lunedì",

"hour": 15

}

]

|  |  |
| --- | --- |
| GET | ServletController?action=list-courses |

LOGIN: FALSE

ADMIN: FALSE

HTTP 200 OK

[

{

"id": 1,

"title": "Programmazione I"

}

]

|  |  |
| --- | --- |
| GET | ServletController?action=list-teacher-courses |

LOGIN: FALSE

ADMIN: FALSE

HTTP 200 OK

[

{

"teacher": {

"id": 1,

"name": "Luca",

"surname": "Roversi",

"email": "luca.roversi@unito.it"

},

"course": {

"id": 7,

"title": "Algoritmi e Strutture Dati"

}

}

]

|  |  |
| --- | --- |
| GET | ServletController?action=list-bookings |

LOGIN: TRUE

ADMIN: TRUE

HTTP 200 OK

[

{

"user": {

"id": 0,

"name": "Raul",

"surname": "Palade",

"email": "raul.palade@edu.unito.it",

"administrator": false

},

"timeSlot": {

"id": 0,

"day": "Lunedì",

"hour": 15

},

"teacherCourse": {

"teacher": {

"id": 0,

"name": "Luca",

"surname": "Padovani",

"email": "luca.padovani@unito.it"

},

"course": {

"id": 0,

"title": "Algoritmi e Strutture Dati"

}

},

"deleted": false,

"completed": false

}

]

HTTP 401 UNAUTHORIZED

|  |  |
| --- | --- |
| GET | ServletController?action=list-personal-bookings |

LOGIN: TRUE

ADMIN: FALSE

Parameters: emailUser: String

HTTP 200 OK

[

{

"timeSlot": {

"id": 0,

"day": "Lunedì",

"hour": 15

},

"teacherCourse": {

"teacher": {

"id": 0,

"name": "Luca",

"surname": "Padovani",

"email": "luca.padovani@unito.it"

},

"course": {

"id": 0,

"title": "Algoritmi e Strutture Dati"

}

},

"deleted": false,

"completed": false

},

HTTP 401 UNAUTHORIZED

|  |  |
| --- | --- |
| GET | ServletController?action=list-teacher-by-course |

LOGIN: FALSE

ADMIN: FALSE

Parameters: title: String

HTTP 200 OK

[

{

"id": 0,

"name": "Luca",

"surname": "Roversi"

}

]

|  |  |
| --- | --- |
| GET | ServletController?action=list-time-slots |

LOGIN: FALSE

ADMIN: FALSE

HTTP 200 OK

[

{

"id": 1,

"day": "Lunedì",

"hour": 15

}

]

HTTP 401 UNAUTHORIZED

|  |  |
| --- | --- |
| POST | ServletController?action=login |

LOGIN: FALSE

ADMIN: FALSE

Parameters: email: String, password: String

HTTP 200 OK

[

{"isAdmin": true}

]

HTTP 401 UNAUTHORIZED

|  |  |
| --- | --- |
| POST | ServletController?action=logout |

LOGIN: FALSE

ADMIN: FALSE

HTTP 200 OK

|  |  |
| --- | --- |
| POST | ServletController?action=insert-user |

LOGIN: TRUE

ADMIN: TRUE

Parameters: name: String, username: String, email: String

HTTP 201 OK: when the new user is inserted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

HTTP 409 CONFLICT: when the user already exists

|  |  |
| --- | --- |
| POST | ServletController?action=activate-user |

LOGIN: TRUE

ADMIN: TRUE

Parameters: name: String, username: String, email: String

HTTP 201 OK: when the user is activated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=deactivate-user |

LOGIN: TRUE

ADMIN: TRUE

Parameters: name: String, username: String, email: String

HTTP 201 OK: when the user is deactivated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=insert-teacher |

LOGIN: TRUE

ADMIN: TRUE

Parameters: name: String, username: String, email: String

HTTP 201 OK: when the new user is inserted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

HTTP 409 CONFLICT: when the teacher already exists

|  |  |
| --- | --- |
| POST | ServletController?action=activate-teacher |

LOGIN: TRUE

ADMIN: TRUE

Parameters: name: String, username: String, email: String

HTTP 201 OK: when the teacher is activated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=deactivate-teacher |

LOGIN: TRUE

ADMIN: TRUE

Parameters: name: String, username: String, email: String

HTTP 201 OK: when the teacher is deactivated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=insert-course |

LOGIN: TRUE

ADMIN: TRUE

Parameters: title: String

HTTP 201 OK: when the new course is inserted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

HTTP 409 CONFLICT: when the course already exists

|  |  |
| --- | --- |
| POST | ServletController?action=activate-course |

LOGIN: TRUE

ADMIN: TRUE

Parameters: title: String

HTTP 201 OK: when the course is activated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=deactivate-course |

LOGIN: TRUE

ADMIN: TRUE

Parameters: title: String

HTTP 201 OK: when the course is deactivated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=insert-time-slot |

LOGIN: TRUE

ADMIN: TRUE

Parameters: day: String, int hour

HTTP 201 OK: when the new time-slot is inserted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

HTTP 409 CONFLICT: when the time-slot already exists

|  |  |
| --- | --- |
| POST | ServletController?action=activate-time-slot |

LOGIN: TRUE

ADMIN: TRUE

Parameters: day: String, int hour

HTTP 201 OK: when the time-slot is activated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=deactivate-time-slot |

LOGIN: TRUE

ADMIN: TRUE

Parameters: day: String, int hour

HTTP 201 OK: when the time-slot is deactivated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=assign-teaching |

LOGIN: TRUE

ADMIN: TRUE

Parameters: teacher-email: String, title: String

HTTP 201 OK: when the new teacher-course association is inserted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

HTTP 409 CONFLICT: when the teacher-course association already exists

|  |  |
| --- | --- |
| POST | ServletController?action=activate-teaching |

LOGIN: TRUE

ADMIN: TRUE

Parameters: day: String, int hour

HTTP 201 OK: when the teacher-course association is activated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=deactivate-teaching |

LOGIN: TRUE

ADMIN: TRUE

Parameters: day: String, int hour

HTTP 201 OK: when the teacher-course association is deactivated correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged and not admin

|  |  |
| --- | --- |
| POST | ServletController?action=insert-booking |

LOGIN: TRUE

ADMIN: FALSE

Parameters: user-email: String, day: String, hour: int, teacher-email: String, title: String

HTTP 201 OK: when the new booking is inserted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged

HTTP 409 CONFLICT: when the booking already exists

|  |  |
| --- | --- |
| POST | ServletController?action=delete-booking |

LOGIN: TRUE

ADMIN: FALSE

Parameters: user-email: String, day: String, hour: int, teacher-email: String, title: String

HTTP 201 OK: when the booking is deleted correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged

|  |  |
| --- | --- |
| POST | ServletController?action=complete-booking |

LOGIN: TRUE

ADMIN: FALSE

Parameters: user-email: String, day: String, hour: int, teacher-email: String, title: String

HTTP 201 OK: when the booking is marked completed correctly

HTTP 400 BAD REQUEST: when the form data is incorrect

HTTP 401 UNAUTHORIZED: when the user client is not logged