**Arete APIs description**

**Login**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Method | Endpoint | Role | IN | OUT | Description |
| POST | api/login | No role needed | username, password | Jwt token | Login to cedmd domain |

**Reservations**

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| --- | --- | --- | --- | --- | --- |
| Method | Endpoint | Role | IN | OUT | Description |
| GET | api/reservations | User, Group Owner, Admin | date | Array of reservations grouped by office | Get all the reservations for a specific date.  User – should be able to view the reservations for today and the next working day.  Group Owner – should be able to view the reservations for today, the previous and the next 5 working days.  Admin – should be able to view the reservations for any day. |
| GET | api/reservations/{id} | Group Owner, Admin |  | Reservation object | Get a particular reservation |
| GET | api/reservations/export | Admin | dateFrom, dateTo | Array of reservations in csv format | Get all the reservations for a specific period |
| POST | api/reservations/byUser | User, Group Owner, Admin | seatId, date | Id of the created reservation | Create a reservation with User restrictions. The seat should be an allowed seat, the date should be today or the next working day. |
| POST | api/reservations  /byGroupOwner | Group Owner, Admin | employeeId, seatId, date | Id of the created reservation | Create a reservation with Group Owner restrictions. The employee should be in the group managed by the Group Owner, the seat should be an allowed seat, the date should be within the next 5 working days. |
| POST | api/reservations | Admin | reservation object | Id of the created reservation | Create a reservation without restrictions, still must check that the seat is free for the entire period. |
| DELETE | api/reservations/{id} | User, Group Owner, Admin |  |  | Delete a reservation.  User can delete his own reservation for today and the next working day.  Group Owner can delete the reservations of his group members for today and the next 5 working days.  Admin can delete any reservation. |
| DELETE | api/reservations | Admin | dateFrom, dateTo |  | Delete all reservations within a period |

**Offices**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Method | Endpoint | Role | IN | OUT | Description |
| GET | api/offices | User, Group Owner, Admin | groupId | Array of offices | Get all the offices with seat details. If a groupId is provided in input, filter all the seats based on groupId. |
| GET | api/offices/{id} | User, Group Owner, Admin |  | Office object | Get a particular office with seat details. |
| POST | api/offices | Admin | office object | Id of the created office | Create an office |
| PUT | api/offices/{id} | Admin | office object | Office object | Update an office |
| DELETE | api/offices/{id} | Admin |  |  | Delete an office. The API deletes the corresponding seats and updates the groups to delete the seats not belonging to an office. |

**Groups**

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| --- | --- | --- | --- | --- | --- |
| Method | Endpoint | Role | IN | OUT | Description |
| GET | api/groups | User, Group Owner, Admin |  | Array of groups | Get all the groups including the related employees and the allocated Seats. |
| GET | api/groups/{id} | User, Group Owner, Admin |  | Group object | Get a particular group with the related employees and the allocated Seats. |
| POST | api/groups | Group Owner, Admin | group object | Id of the created group | Create a group |
| PUT | api/groups/{id} | Group Owner, Admin | group object | Group object | Update a group |
| DELETE | api/groups/{id} | Group Owner, Admin |  |  | Delete a group |

**Employees**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Method | Endpoint | Role | IN | OUT | Description |
| GET | api/employees | User, Group Owner, Admin |  | Array of employees | Get all the employees |
| GET | api/employees/{id} | User, Group Owner, Admin |  | Employee object | Get a particular employee (with details). |
| POST | api/employees | Admin | employee object | String of employee id | Create an employee |
| POST | api/employees/import | Admin | csv string | Boolean | Import employees from a csv string containing: UserName, FirstName, LastName, Email. The first row must be the Header. |
| PUT | api/employees/{id} | Admin | employee object | Employee object | Update an employee |
| DELETE | api/employees/{id} | Admin |  |  | Delete an employee |