/users route

1. **GET /users/:userID :**
   Gets one user using their user id.

   - Response body :

```
{
    "data": {
        "email": "example@email.com",
        "id": 1,
        "role": 1,
        "username": "example-username"
    }
}
```

2. **GET /users?email={email}&username={username} :**
   Gets one user using their email and username.

   - Response body :

```
{
    "email": "example@email.com",
    "id": 1,
    "role": 1,
    "username": "example-username"
}
```

3. **GET /users/signin?username=myuser&password=mypass :**
   Check if username and password matches.

   - Response body :

```
{
    "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MjEsInJvbGUiOjEsInNjb3BlIjoidXNlciJ9.FiXmfp2qaV3fE
}
```

4. **POST /users :**
   Adds one user.

Parameter	Type	Description
Username	String	An username
Email	String	The user email
Role (optional)	Integer	The user role's id

```
* Request body :
```

```
{
    "user": {
        "username": "example-username",
```

```
        "email": "example@email.com",
        "role": 1 (optional)
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "email": "example@email.com",
        "id": 1,
        "role": 1,
        "username": "example-username"
    }
}
```

5. **PUT /users/:userID :**
   Editing an user using their user id.

Parameter	Type	Description
Username	String	An username
Email	String	The user email
Role (optional)	Integer	The user role's id

```
* Request body :
```

```
{
    "user": {
        "username": "edited-username", (optional)
        "email": "example@email.com", (optional)
        "role": 1 (optional)
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "email": "example@email.com",
        "id": 1,
        "role": 1,
        "username": "edited-username"
    }
}
```

6. **DELETE /users/:userID :**
   Deletes an user using their user id.

/workingtimes route

1. **GET /workingtimes/:userID?start={datetime}&end={datetime} :**
   Gets all the workingtimes of an user using their user id, within a start and an end date.

   - Response body :

```
[
    {
        "end": "2020-10-12T15:18:12.000000",
        "id": 1,
        "start": "2020-10-10T15:17:12.000000"
    }
]
```

2. **GET workingtimes/:userID/:workingtimeID :**
   Gets one workingtime using its working time id and the user id.

   - Response body :

```
{
    "end": "2020-10-12T15:18:12.000000",
    "id": 1,
    "start": "2020-10-10T15:17:12.000000"
}
```

3. **POST /workingtimes/:userID :**
   Adds one workingtime for an user.

Parameter	Type	Description
Start	UTC datetime	The workingtime date & time
End	UTC datetime	The workingtime date & time

```
* Request body :
```

```
{
    "workingtime": {
      "start": "2020-10-20T15:19:12Z",
      "end": "2020-10-20T20:30:00Z"
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "end": "2020-10-20T15:19:12Z",
        "id": 3,
        "start": "2020-10-20T20:30:00Z",
        "user_id": 1
```

```
    }
}
```

4. **PUT /workingtimes/:workingtimeID :**
   Modifies one workingtime using its id.

Parameter	Type	Description
Start	UTC datetime	The workingtime date & time
End	UTC datetime	The workingtime date & time
User id (optional)	Integer	The worktime user id

```
* Request body :
```

```
{
    "workingtime": {
        "start": "2020-10-10T15:17:12Z",
        "end":"2020-10-20T16:19:12",
        "user_id": 1 (optional)
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "end": "2020-10-20T16:19:12Z",
        "id": 1,
        "start": "2020-10-10T15:17:12Z",
        "user_id": 1
    }
}
```

5. **DELETE /workingtimes/:workingtimeID :**
   Deletes a workingtime using its id

/clocks route

1. **GET /clocks/:userID :**
   Gets all the clocks of an user using its user id

   - Response body :

```
[
    {
        "id": 1,
        "status": true,
        "time": "2020-10-12T08:18:12.000000",
        "user_id": 1
    },
    {
```

```
        "id": 2,
        "status": false,
        "time": "2020-10-12T16:18:12.000000",
        "user_id": 1
    }
]
```

2. **POST /clocks/:userID :**
   Adds one clock for an user using its user id

Parameter	Type	Description
Time	UTC datetime	The clock date & time
Status	Boolean	True clocking-in, False clocking-out

```
* Request body :
```

```
{
    "clock": {
        "time": "2020-10-13T08:30:12Z",
        "status":"true"
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "id": 3,
        "status": true,
        "time": "2020-10-13T08:30:12.00Z"
    }
}
```

3. **GET /clocks/:userID/last**
   Get the last clock for the user by its user id.

   - Response body :

```
{
    "id": 3,
    "status": true,
    "time": "2020-10-13T08:30:12.000000"
}
```

/roles route

1. **GET /roles :**
   Get all the roles.

   - Response body :

```
{
    "data": [
        {
            "id": 1,
            "name": "Employee"
        },
        {
            "id": 2,
            "name": "Manager"
        },
        {
            "id": 3,
            "name": "General Manager"
        }
    ]
}
```


2. **GET /roles/:roleID :**
   Get a role by id.

   - Response body :


```
{
    "data": {
        "id": 2,
        "name": "Manager"
    }
}
```


3. **GET /roles/:roleID/users :**
   Get all the users by role.

   - Response body :


```
[
    {
        "email": "dscotcher9@sohu.com",
        "id": 10,
        "role": 2,
        "username": "mrunge9"
    },
    {
        "email": "manager@time.man",
        "id": 11,
        "role": 2,
        "username": "manager"
    }
]
```


4. **POST /roles/ :**
   Create a new role.

Parameter	Type	Description
Role	String	The role's name

```
* Request body :
```

```
{
    "role":{
      "name":"Manager"
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "id": 2,
        "name": "Manager"
    }
}
```

5. **PUT /roles/:roleID :**
   Edit a role.

Parameter	Type	Description
Role	String	The role's name

```
* Request body :
```

```
{
    "role":{
      "name":"The Manager"
    }
}
```

```
* Response body :
```

```
{
    "data": {
        "id": 2,
        "name": "The manager"
    }
}
```

6. **DELETE /roles/:roleID :**
   Deletes a role using the role id.

/teams route

1. **GET /teams :**
   Get all the teams.

   - Response body :

```
{
    "data": [
        {
            "id": 1,
            "members": [
                1,
                2,
                3,
                4,
                5
            ]
        },
        {
            "id": 2,
            "members": [
                7,
                8,
                9,
                4,
                5
            ]
        },
        {
            "id": 3,
            "members": [
                1,
                2,
                3,
                7
            ]
        },
        {
            "id": 4,
            "members": [
                1,
                2,
                3
            ]
        },
        {
            "id": 5,
            "members": [
                4,
                5
            ]
        },
        {
            "id": 6,
            "members": [
                4,
                5,
                8
            ]
        }
    ]
}
```


2. **GET /teams/:managerID :**
   Get all the teams using the manager's user id.

   - Response body :


```
[
    {
        "id": 1,
        "members": [
            1,
            2,
            3,
```

```
            4,
            5
        ],
        "name": "works",
        "user_id": 11
    },
    {
        "id": 4,
        "members": [
            1,
            2,
            3
        ],
        "name": "play",
        "user_id": 11
    },
    {
        "id": 5,
        "members": [
            4,
            5
        ],
        "name": "management",
        "user_id": 11
    },
    {
        "id": 6,
        "members": [
            4,
            5,
            8
        ],
        "name": "toto",
        "user_id": 11
    }
]
```

3. **GET /teams/:managerID/:id :**
   Get a team by the manager user id and the team id.

   - response body :

```
{
    "data": {
        "id": 1,
        "members": [
            1,
            2,
            3,
            4,
            5
        ]
    }
}
```

4. **GET /member_teams/:memberID :**
   Get all the teams the member (by its user id) is assigned to.

   - Response body :

```
{
    "data": {
        "id": 1,
        "members": [
            1,
            2,
```

```
            3,
            4,
            5
        ]
    }
}
```

5. **POST /teams :**
   Create a new team.

Parameter	Type	Description
User_id	Integer	The team's manager's user id
Name	String	The team's name
Members	Array	List of members's user id

```
* Request body :
```

```
{
    "team": {
        "user_id":10,
        "name":"new team",
        "members":[3, 22]
    }
}
```

6. **PUT /teams/:teamID :**
   Edit a team.

Parameter	Type	Description
User_id	Integer	The team's manager's user id
Name	String	The team's name
Members	Array	List of members's user id

```
* Request body :
```

```
{
  "team":{
    "user_id":11,
    "name":"The team",
    "members":[3, 22]
  }
}
```

```
* Response body :
```

```
{
    "data": {
        "id": 11,
        "name":"The team",
        "members": [
            3,
            22
        ]
    }
}
```

7. **DELETE /teams/:teamID :**
   Delete a team using its team id.

/chartmanager/daynightdata route

1. **GET /chartmanager/daynightdata/:userID/:days :**
   Get cumulated day / night worked time in seconds

   - Response body :

```
{
    "totalDay": 14400,
    "totalNight": 57600
}
```

2. **GET /chartmanager/timeperdays/:userID/:days :**
   Get cumulated time per days

   - Response body :

```
[
    {
        "day": "2020-10-22",
        "time": 59790
    },
    {
        "day": "2020-10-23",
        "time": 12209
    },
    {
        "day": "2020-10-24",
        "time": 45390
    },
    {
        "day": "2020-10-25",
        "time": 0
    },
    {
        "day": "2020-10-26",
        "time": 0
    },
    {
        "day": "2020-10-27",
        "time": 0
    },
    {
        "day": "2020-10-28",
        "time": 0
    }
]
```

3. **GET /chartmanager/timeperdays/:userID/:days/scheduled :**
   Get cumulated time per days and scheduled working time

   - Response body :


```
[
    {
        "day": "2020-10-22",
        "scheduled": 39599,
        "time": 59790
    },
    {
        "day": "2020-10-23",
        "scheduled": 50400,
        "time": 12209
    },
    {
        "day": "2020-10-24",
        "scheduled": 0,
        "time": 45390
    },
    {
        "day": "2020-10-25",
        "scheduled": 0,
        "time": 0
    },
    {
        "day": "2020-10-26",
        "scheduled": 0,
        "time": 0
    },
    {
        "day": "2020-10-27",
        "scheduled": 0,
        "time": 0
    },
    {
        "day": "2020-10-28",
        "scheduled": 0,
        "time": 0
    }
]
```