

meetMatch backend api design

request: elements passed from frontend to backend

reply: elements given by the backend

Elements marked with * are optional, can be left blank.

create time table

POST /api/timeTable/

request:

- meeting name
- date selection
- time range
- *max collaborator
- *email address

```
{
  "meetingName": "next group meeting",
  "dateSelection": ["2024-01-25", "2024-01-26", "2024-01-28"],
  "timeRange": [8, 17],
  "maxCollaborator": 10,
  "email": "example@kth.se"
}
```

reply:

- state
- table visit token
- table manage token

```
{
  "state": 0,
  "tableVisitToken": "",
  "tableManageToken": ""
}
```

visit a time table

GET /api/timeTable/{visitToken}

request:

- table visit token (in url)

reply:

- state
- meeting name
- date selection
- time range
- *existing selection

```
{
  "state": 0,
  "meetingName": "next group meeting",
  "dateSelection": ["2024-01-25", "2024-01-26", "2024-01-28"],
  "timeRange": [8, 17],
  "existSelection": [
    {
      "color": "green",
      "slots": [
        {
          "startTime": "2024-01-25T18:51:41.406Z",
          "endTime": "2024-01-25T19:51:41.406Z"
        },
        {
          "startTime": "2024-01-25T20:51:41.406Z",
          "endTime": "2024-01-25T21:51:41.406Z"
        },
        {
          "startTime": "",
          "endTime": ""
        }
      ]
    },
    {
      "color": "",
      "slots": [
      ]
    }
  ]
}
```

update a time table

POST /api/timeTable/update/{visitToken}

request:

- table visit token (in url)

- selection

```
{
  "selection": [
    {
      "startTime": "2024-01-25T18:51:41.406Z",
      "endTime": "2024-01-25T19:51:41.406Z"
    },
    {
      "startTime": "2024-01-26T18:51:41.406Z",
      "endTime": "2024-01-26T19:51:41.406Z"
    },
    {
      "startTime": "",
      "endTime": ""
    }
  ]
}
```

reply:

- state

```
{
  "state": 0
}
```

manage a time table

PUT /api/timeTable/manage/{manageToken}

request:

- table manage token (in url)
- meeting name
- date selection
- time range
- *max collaborator
- *email address

```
{
  "meetingName": "next group meeting",
  "dateSelection": ["2024-01-25", "2024-01-26", "2024-01-28"],
  "timeRange": [8, 17],
  "maxCollaborator": 10,
}
```

```
    "email": "example@kth.se"
  }
```

reply:

- state
- table visit token
- table manage token

```
{
  "state": 0,
  "tableVisitToken": "",
  "tableManageToken": ""
}
```

get the results

GET /api/timeTable/result/{visitToken}

request:

- table visit token (in url)

reply:

- state
- existing selection
- recommended results

```
{
  "state": 0,
  "existSelection": [
    {
      "color": "green",
      "slots": [
        {
          "startTime": "2024-01-25T18:51:41.406Z",
          "endTime": "2024-01-25T19:51:41.406Z"
        },
        {
          "startTime": "2024-01-26T18:51:41.406Z",
          "endTime": "2024-01-26T19:51:41.406Z"
        },
        {
          "startTime": "",
          "endTime": ""
        }
      ]
    }
  ],
}
```

```
{
  "color": "",
  "slots": [
  ]
},
"recommendedResults": [
  {
    "startTime": "2024-01-25T18:51:41.406Z",
    "endTime": "2024-01-25T19:51:41.406Z"
  },
  {
    "startTime": "2024-01-26T18:51:41.406Z",
    "endTime": "2024-01-26T19:51:41.406Z"
  },
  {
    "startTime": "",
    "endTime": ""
  }
]
}
```

delete a time table

DELETE /api/timeTable/{manageToken}

request:

- table manage token (in url)

reply:

- state

```
{
  "state": 0
}
```