1. **Mecial record API**
2. **Get**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/medical/record | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string | Language which messages sent from server will be formatted.   * Default : **en-US** |
| URL | **Id** | int | Id of medical record |
|  | | | |
| Role | * Patient * Doctor | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "MedicalRecord": {  "Id": 0,  "Owner": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Role": 0  },  "Creator": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Role": 0  },  "Category": {  "Id": 0,  "Name": ""  },  "Info": "",  "Time": 0,  "Created": 0,  "LastModified": 0  }  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Record is not found. | {  "Error": "W006"  } |
| **500**  Something is wrong with server. |  |

1. **Create**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/medical/record | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string | Language which messages sent from server will be formatted.   * Default : **en-US** |
| BODY | **Owner** | int | Target user who the newly created medical record should belong to.   * **Null** : the requester **(default)** * **Optional** |
| BODY | **Category** | int | Category of medical record.   * **Required** |
| BODY | **Infos** | Dictionary<string, string> | Information that doctor notices.   * **Max keys : 32** * **Key max length: 32** * **Value max length: 32** |
| BODY | **Time** | double | Time of medical record   * **Year > 1916** * **Required** |
|  | | | |
| Role | * Patient * Doctor | | |
| Use case | * Doctor & patient can create medical record. * Doctors can only create medical record for their patients, cannot create for themselves | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "MedicalRecord": {  "Id": 0,  "Owner": 0,  "Creator": 0,  "Category": 0,  "Info": "",  "Time": 0,  "Created": 0  }  } |
| **400**  Request parameters are invalid. | {  "Errors": ["", "", ""]  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **403**  The requester doesn’t have any relationships with the owner of medical record. | {  "Error": "W019"  } |
| **403**  There are 2 situations that this error code will be thrown back: | {  "Error": "W022"  }   * **Doctor creates medical record for him/herself (Doctor can only create medical record for patient he/she is providing treatment.** * **Patient creates medical record for another person. (Patient can only create medical record for him/herself).** |
| **403**  Owner of medical record is not found or not active. | {  "Error": "W023"  } |

1. **Edit**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **PUT** | api/medical/record | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string | Language which messages sent from server will be formatted.   * Default : **en-US** |
| URL | **Id** | int | Id of medical record. |
| BODY | **Category** | int | Id of category which medical record belongs to.   * **Optional** |
| BODY | **Infos** | Dictionary<string,string> | Information that doctor notices   * **Optional** * **Max key : 32** * **Max key length: 32** * **Max value length: 32** |
| BODY | **Time** | double | * **Time when the record is created.** * **Year > 1916** * **Optional** |
|  | | | |
| Role | * Patient * Doctor | | |
| Request body sample | {  "Infos": {  "protein": "good",  "lipid": "bad"  },  "Time": 300  } | | |
| Use case | * Doctor (who has relationship with the record owner) & record owner can edit the medical record. | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "MedicalRecord": {  "Id": 0,  "Owner": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Role": 0  },  "Creator": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Role": 0  },  "Category": {  "Id": 0,  "Name": ""  },  "Info": "",  "Time": 0,  "Created": 0,  "LastModified": 0  }  } |
| **400**  Request parameters are invalid. | {  "Errors": ["", "", ""]  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **403**  The requester doesn’t have any relationships with the owner of medical record. | {  "Error": "W019"  } |
| **403**  Owner of medical record is not found or not active. | {  "Error": "W023"  } |
| **500**  Something is wrong with the server. Tell client to try again. |  |

1. **Delete**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **Delete** | api/medical/record | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string | Language which messages sent from server will be formatted.   * Default : **en-US** |
| URL | **Id** | int | Id of medical record. |
|  | | | |
| Role | * Patient | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** |  |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Record is not found. | {  "Error": "W023"  } |
| **500**  Something is wrong with the server. Tell client to try again. |  |

1. **Filter**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/medical/record/filter | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string | Language which messages sent from server will be formatted.   * Default : **en-US** |
| BODY | **Partner** | int | Who is included in medical record (can be Doctor or Patient)   * **Optional** |
| BODY | **Mode** | int | Filtering mode of medical record base on role of requester.   * **0:** Requester is the person who has created medical record. * **1:** Requester is the person who owns the medical record. * **Null :** Filter all medical record that includes requester. |
| BODY | **MinTime** | double | Time after which note was prescripted.   * **Year > 1916** * **Optional** |
| BODY | **MaxTime** | double | Time before which note had been prescripted.   * **Year > 1916** * **Optional** |
| BODY | **MinCreated** | double | Time after which note was created.   * **Year > 1916** * **Optional** |
| BODY | **MaxCreated** | double | Time before which note had been created.   * **Year > 1916** * **Optional** |
| BODY | **MinLastModified** | double | Time after which note was modified.   * **Year > 1916** * **Optional** |
| BODY | **MaxLastModified** | double | Time before which note had been modified.   * **Year > 1916** * **Optional** |
| BODY | **Sort** | int | Which property should be used for sorting.   * **0: Time (default)** * **1: Created** * **2: Last modified** |
| BODY | **Direction** | int | Whether properties should be sorted ascendingly or decendingly. |
| BODY | **Page** | int | Index of result page   * **Min : 0 (default)** |
| BODY | **Records** | int | Number of records per page   * **Min : 1** * **Max : 20** |
|  | | | |
| Role | * Patient * Doctor | | |
| Use case | * Patient & doctor can only filter the list of medical records that he/she is included in. | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "MedicalRecords": [  {  "Id": 0,  "Owner": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Role": 0  },  "Creator": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Role": 0  },  "Category": {  "Id": 0,  "Name": ""  },  "Info": "",  "Time": 0,  "Created": 0,  "LastModified": 0  }  ],  "Total": 0  } |
| **400**  Request parameters are invalid. | {  "Errors": ["", "", ""]  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **500**  There is something wrong with server |  |