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

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/medical/prescription | | |
| 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 prescription |
|  | | | |
| Role | * Patient * Doctor | | |
| Use case | * Owner of prescription can view prescription. * Doctor must be the creator of prescription and is having relationship with patient to view prescription. | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Prescription": {  "Id": 0,  "MedicalRecord": 0,  "From": 0,  "To": 0,  "Name": "",  "Medicine": "",  "Note": "",  "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**  Internal server error. |  |

1. **Create**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/medical/prescription | | |
| 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 | **MedicalRecord** | int | Id of medical record which prescription should belong to. |
| BODY | **Name** | string | Name of prescription.   * **Required** * **Max length: 32** |
| BODY | **From** | double | When should prescription be available.   * **Year > 1916** * **<= To** * **Required** |
| BODY | **To** | double | When should prescription be ended.   * **Year > 1916** * **>= From** * **Required** |
| BODY | **Medicines** | Dictionary<string, object> | List of medicines which are prescripted in the prescription |
| BODY | **Note** | string | Note of prescription   * **Optional** * **Max length : 128** |
|  | | | |
| Role | * Patient * Doctor | | |
| Sample body request | {  "From": 0,  "To": 1,  "Name": "",  "Medicines": {  "Prenisolon": {  "Quantity": 0,  "Unit": "",  "Note": ""  }  }  }   * **Medicines can only contain 32 medicines** * **Unit max length: 32** * **Note max length: 128** | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Prescription": {  "Id": 0,  "MedicalRecord": 0,  "From": 0,  "To": 0,  "Medicine": "",  "Note": "",  "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**  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"  } |
| **404**  Medical record is not found. | {  "Error": "W003"  } |
| **500**  Internal server error. |  |

1. **Edit**
   * Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **Url** | | | |
| **POST** | api/medical/prescription | | | |
| 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 prescription. | |
| BODY | **Name** | string | Name of prescription.   * **Optional.** * **Max length: 32** | |
| BODY | **From** | double | When should prescription be available.   * **Year > 1916** * **<= To** * **Optional** | |
| BODY | **To** | double | When should prescription be ended.   * **Year > 1916** * **>= From** * **Optional** | |
| BODY | **Medicines** | Dictionary<string, object> | | List of medicines which are prescripted in the prescription |
| BODY | **Note** | string | Note of prescription   * **Optional** * **Max length : 128** | |
|  | | | | |
| Role | * Patient * Doctor | | | |
| Request body sample | {  "From": 0,  "To": 1,  "Name": "",  "Medicines": {  "Prenisolon": {  "Quantity": 0,  "Unit": "",  "Note": ""  }  }  }   * **Medicines can only contain 32 medicines** * **Unit max length: 32** * **Note max length: 128** | | | |
| Use case | * Doctor who created the prescription can edit the prescription. * Patient who is the owner of prescription can edit the prescription. | | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Prescription": {  "Id": 0,  "MedicalRecord": 0,  "Name": "",  "From": 0,  "To": 0,  "Medicine": "",  "Note": "",  "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**  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. **Delete**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **DELETE** | api/medical/prescription | | |
| 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 prescription. |
|  | | | |
| Role | * Patient * Doctor | | |
| Use case | * Only the owner of prescription can delete the prescription. | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** |  |
| **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"  } |
| **404**  Owner of medical record is not found or not active. | {  "Error": "W006"  } |

1. **Filter**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/medical/prescription/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 | **MedicalRecord** | int | Id of medical record whose prescriptions should be filtered.   * **Optional** |
| BODY | **Partner** | int | Id of person who is included in prescription.   * **Optional** |
| BODY | **Mode** | int | Mode of filtering.   * **0:** Requester is the creator of prescription. * **1:** Requester is the owner of prescription. |
| BODY | **MinFrom** | double | Time range when prescription should be available.   * **Optional** * **Year > 1916** |
| BODY | **MaxFrom** | double |
| BODY | **MinTo** | double | Time range when prescription should be available.   * **Optional** * **Year > 1916** |
| BODY | **MaxTo** | double |
| 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.   * **1: Created** * **2: Last modified** |
| BODY | **Direction** | int | Whether properties should be sorted ascendingly or decendingly.   * **0 : Ascending** * **1 : Decending** |
| 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 | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Prescriptions": [  {  "Id": 0,  "MedicalRecord": 0,  "Owner": 0  "Name": "",  "From": 0,  "To": 0,  "Medicine": "",  "Note": "",  "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"  } |
| **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**  Internal server error. |  |