1. **Experiment API**
2. **Create**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/medical/experiment | | |
| 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 should experiment belong to. |
| BODY | **Info** | List<object> | List of experiment key-value. |
|  | | | |
| Role | * Patient * Doctor | | |
| Sample request | {  "MedicalRecord": 0,  "Info": [  {  "Key": "Protein",  "Value": 1.0  },  {  "Key": "Calcium",  "Value": 2  }  ]  } | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Note": {  "Id": 0,  "Created": 0,  "Info": [  {  "Key": "Protein",  "Value": 1.0  },  {  "Key": "Calcium",  "Value": 2  }  ]  }  } |
| **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"  } |
| **500**  Something wrong with server. Tell client to try again | {  "Error": "W021"  } |

1. **Edit**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/medical/experiment/notes | | |
| 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 | **Experiment** | int | Id of experiment record whose key-value should be changed. |
| BODY | **Infos** | List<object> | List of experiment key-value. |
|  | | | |
| Role | * Patient * Doctor | | |
| Sample body | {  "Infos": [  {  "Key": "Protein",  "Value": 1.0  },  {  "Key": "Calcium",  "Value": 2  }  ]  } | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | No content returned. |
| **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"  } |
| **403**  At least key-value pair is invalid. Update is failed. | {  "Error": "W026",  "FailedRecords": [  {  "Key": "",  "Value": 0  }  ]  } |
| **404**  Medical record is not found | {  "Error": "W003"  } |
| **500**  Something wrong with server. Tell client to try again | {  "Error": "W021"  } |