1. **Sugarblood API**
2. **Create**
   * Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | | **Url** | | |
| **POST** | | api/sugarblood | | |
| Type | Params | | Values | Description |
| HEADER | **Email** | | string | Email which is used for accessing server api. |
| HEADER | **Password** | | string | Password of email |
| BODY | **Value** | | double | Milimol / L of sugar.   * **Min : 3** * **Max : 20** |
| BODY | **Time** | | double | When the measurement was done |
| BODY | **Note** | | string | Note when make measurement.   * **Not required** * **Max : 128** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Sugarblood": {  "Id": 0,  "Created": 0,  "Note": "",  "Time": 0,  "Value": 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"  } |

1. **Edit**
   * Request

|  |  |
| --- | --- |
| **Method** | **Url** |
| **PUT** | api/sugarblood |

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Params** | **Values** | **Description** |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| URL | **Id** | int | Id of sugarblood note.   * **Required** * **Default : 0** |
| BODY | **Value** | double | Milimol / L of sugar in blood.   * **Min : 3** * **Max : 20** |
| BODY | **Time** | double | Time when the measurement was done. |
| BODY | **Note** | string | Note when make measurement.   * **Not required** * **Max : 128** |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Sugarblood": {  "Id": 0,  "Created": 0,  "LastModified": 0,  "Note": "",  "Time": 0,  "Value": 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"  } |
| **404**  **No record is found** | {  "Error": "W006"  } |

1. **Delete**
   * Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | | **Url** | | |
| **DELETE** | | api/sugarblood | | |
| Type | Params | | Values | Description |
| HEADER | **Email** | | string | Email which is used for accessing server api. |
| HEADER | **Password** | | string | Password of email |
| URL | **Id** | | int | Id of sugarblood note   * **Required** * **Default : 0** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | (No content) |
| **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**  **No record is found** | **{**  **"Error": "W006"**  **}** |

1. **Get**
   * Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | | **Url** | | |
| **GET** | | api/sugarblood | | |
| Type | Params | | Values | Description |
| HEADER | **Email** | | string | Email which is used for accessing server api. |
| HEADER | **Password** | | string | Password of email |
| URL | **Id** | | int | Id of heartbeat note   * **Required** * **Default : 0** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Sugarblood": {  "Id": 0,  "Value": 0,  "Time": 0,  "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**  **No record is found** | {  "Error": "W006"  } |

1. **Filter**
   * Request

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | | **Url** | | |
| **POST** | | api/sugarblood/filter | | |
| Type | Params | | Values | Description |
| HEADER | **Email** | | string | Email which is used for accessing server api. |
| HEADER | **Password** | | string | Password of email |
| BODY | **Owner** | | int | Whose heart rate records the requester want to watch.   * **Null** : requester’s record * **Not null** : another persons’ record. |
| BODY | **MinValue** | | double | Minimum rate of heart. |
| BODY | **MaxValue** | | double | Maximum rate of heart. |
| BODY | **MinTime** | | double | Time after which measurement was done |
| BODY | **MaxTime** | | double | Time before which measurement had been done |
| BODY | **MinCreated** | | double | Time after which note was created. |
| BODY | **MaxCreated** | | double | Time before which note had been created. |
| BODY | **MinLastModified** | | double | Time after which note was modified. |
| BODY | **MaxLastModified** | | double | Time before which note had been modified. |
| BODY | **Note** | | string | Content of note. |
| BODY | **Sort** | | int | What property should be used for sorting.   * 0: Time * 1: Created * 2 : Last modified   Default: Time |
| BODY | **Direction** | | int | Whether records should be sorted ascendingly or decendingly.   * 0 : Ascending * 1: Decending   Default : Decending. |
| BODY | **Page** | | int | Index of page which result will be displayed.   * Min : 1 * Default : 0 |
| BODY | **Records** | | int | Number of records which will be displayed on page.   * Min : 1 * Max : 20   Default : 20 |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Sugarbloods": [  {  "Id": 0,  "Value": 0,  "Time": 0,  "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"  } |