1. **Find doctor**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/doctor | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string | Language which messages responded from server will be formatted.   * Default : en-US |
| HEADER | **Email** | string | Email which is used for accessing to server.   * **Required** * **Max length: 64** * **Regex :** ^\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*$ |
| HEADER | **Password** | string | First name of patient   * **Required** * **Min length: 8** * **Max length: 16** * **Regex :** ^[a-zA-Z0-9\_!@#$%^&\*()]\*$ |
| URL | **Id** | int | Id of doctor   * **Required** |
|  | | | |
| Access role | * **Patient** | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Doctor": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Email": "",  "Birthday": 0,  "Gender": 0,  "Address": "",  "Phone": "",  "Role": 0,  "Photo": "",  "Specialty": {  "Id": 0,  "Name": ""  },  "Place": {  "Id": 0,  "City": "",  "Country": ""  },  "Rank": 0,  "Voters": 0  }  } |
| **404**  Account is not found as active in server. | {  "Error": { "W006" }  } |
| **500**  Internal server error. |  |

1. **Sign up**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/doctor | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string | Language which messages responded from server will be formatted.   * Default : en-US |
| BODY | **FirstName** | string | First name of doctor   * **Optional** * **Max length: 32** |
| BODY | **LastName** | string | * **Optional** * **Max length: 32** |
| BODY | **Birthday** | double | Birthday of doctor   * **Required** * **Year > 1916** |
| BODY | **Gender** | int | Gender of patient   * **Required** * **0: Male** * **1: Female** |
| BODY | **Email** | string | Email of doctor   * **Required** * **Max length: 64** * **Regex:** ^\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*$ |
| BODY | **Password** | string | Password of account   * **Required** * **Min length: 8** * **Max length: 16** * **Regex :** ^[a-zA-Z0-9\_!@#$%^&\*()]\*$ |
| BODY | **Phone** | string | Phone number doctor uses   * **Required** * **Max length: 15** * **Only number without space** |
| BODY | **Address** | string | Address where doctor lives   * **Required** * **Max length : 128** |
| BODY | **Specialty** | int | Specialty of doctor   * **Required** |
| BODY | **Place** | int | Place where doctor works   * **Required** |
|  | | | |
| Access role | * **None** | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** |  |
| **400**  Request parameters sent to server are invalid. | {  "Errors": [ "", "" ]  } |
| **500**  Internal server error. |  |

1. **Edit doctor profile**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **PUT** | api/doctor | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string | Language which messages responded from server will be formatted.   * Default : en-US |
| HEADER | **Email** | string | Email which is used for accessing to server. |
| HEADER | **Password** | string | Password of the email which is used for accessing to server |
| BODY | **Phone** | string | Email which the activation code should be sent to.   * **Optional** * **Max length: 15** * **Only numeric character without spaces** |
| BODY | **Address** | string | Address where doctor lives.   * **Optional** * **Max length: 64** |
| BODY | **Password** | string | Password of account   * **Optional** * **Min length: 8** * **Max length: 16** * **Regex:** ^[a-zA-Z0-9\_!@#$%^&\*()]\*$ |
| BODY | **Place** | int | Id of place where doctor lives.   * **Optional** |
| BODY | **FirstName** | string | First name of account   * **Optional** * **Max length: 32** |
| BODY | **LastName** | string | Last name of account   * **Optional** * **Max length: 32** |
| BODY | **Gender** | int | Gender of doctor   * **0: Male** * **1: Female** |
| BODY | **Birthday** | double | Birthday of doctor   * **Year > 1916** |
|  | | | |
| Access role | * **Doctor** | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Id": 0,  "Email": "",  "Password": "",  "FirstName": "",  "LastName": "",  "Birthday": 0,  "Phone": "",  "Gender": 0,  "Role": 0,  "Created": 0,  "LastModified": 0,  "Status": 0,  "Address": "",  "Photo": ""  } |
| **400**  Request parameters sent to server are invalid. | {  "Errors": [ "", "" ]  } |
| **404**  Account is not found as pending in server. | {  "Error": "W006"  } |
| **500**  Internal server error. |  |

1. **Filter doctors**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/doctor/filter | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string | Language which messages responded from server will be formatted.   * Default : en-US |
| HEADER | **Email** | string | Email which is used for accessing to server. |
| HEADER | **Password** | string | Password of the email which is used for accessing to server |
| BODY | **Email** | string | Email of doctor   * **Optional** * **Max length: 64** * **Regex :** ^[a-zA-Z-\_.@]\* |
| BODY | **Phone** | string | Phone number doctor uses   * **Max length: 15** * **Only number without space** * **Optional** |
| BODY | **Name** | int | Full name of doctor (First name + last name)   * **Optional** * **Max length: 64** |
| BODY | **MinBirthday** | double | Time after which patient was born   * **Optional** * **Year > 1916** * **<= MaxBirthday** |
| BODY | **MaxBirthday** | double | Time before which patient was born   * **Optional** * **Year > 1916** * **>= MaxBirthday** |
| BODY | **Gender** | int | Gender of patient   * **Optional** * **0: Male** * **1: Female** |
| BODY | **City** | int | City where doctor works   * **Optional** * **Max length: 64** |
| BODY | **Country** | int | Country where doctor works   * **Optional** * **Max length: 64** |
| BODY | **Specialty** | int | Gender of patient   * **Optional** * **0: Male** * **1: Female** |
| BODY | **MinRank** | double | Gender of patient   * **Optional** * **0: Male** * **1: Female** |
| BODY | **MaxRank** | double | Gender of patient   * **Optional** * **0: Male** * **1: Female** |
| BODY | **Direction** | int | Whether records should be sorted ascendingly or decendingly.   * **0 : Ascendingly (default)** * **1: Decendingly** |
| BODY | **Sort** | int | Which property should be used for sorting.   * **0: First name (default)** * **1: Last name** * **2: Birthday** * **3: Gender** * **4: Rank** |
| BODY | **Page** | int | Index of page result   * **Min : 0 (default)** |
| BODY | **Records** | int | Records per page   * **Min: 1** * **Max : 20** * **Null (all)** |
|  | | | |
| Access role | **Patient** | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Patients": [  {  "Id": 0,  "Email": "",  "FirstName": "",  "LastName": "",  "Birthday": 0,  "Phone": "",  "Photo": "",  "Address": "",  "Weight": 0,  "Height": 0  }  ],  "Total": 0  } |
| **400**  Request parameters sent to server 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**  Internal server error. |  |