1. **Doctor filter**
   * 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 server api. |
| HEADER | **Password** | string | Password of email. |
| BODY | **Name** | string | Full name of doctor.   * **Optional** * **Max length: 64** |
| BODY | **Gender** | int | Gender of doctor.   * **Optional** * **0** : Male * **1** : Female |
| BODY | **Phone** | string | Phone of doctor.   * **Optional** * **Max length** : 15 |
| BODY | **MinRank** | int | Rank value which doctor’s must be higher or equal.   * **Optional** |
| BODY | **MaxRank** | int | Rank value which doctor’s must be lower or equal.   * **Optional** |
| BODY | **Specialty** | int | Id of specialty   * **Optional** * **Min : 1** |
| BODY | **City** | string | Name of city where doctor lives or works.   * **Optional** * **Max length: 32** |
| BODY | **Country** | string | Name of country where doctor lvies or works.   * **Optional.** * **Max length: 32** |
| BODY | **Page** | int | Index of result page.   * **Optional** * **Min** : 0 (default) |
| BODY | **Records** | int | Number of records displayed on a page.   * **Optional** * **Min** : 1 (default) * **Max** : 20 |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Doctors": [  {  "Id": 0,  "FirstName": "",  "LastName": "",  "Email": "",  "Password": "",  "Birthday": 0,  "Gender": 0,  "Address": "",  "Phone": "",  "Role": 0,  "Photo": "",  "Rank": 0,  "Specialty": {  "Id": 0,  "Name": ""  },  "Place": {  "Id": 0,  "City": "",  "Country": ""  },  "Voters": 0,  "Money": 0,  "Created": 0,  "LastModified": 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"  } |

1. **Find patient**
   * 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 server api. |
| HEADER | **Password** | string | Password of email. |
| URL | **Id** | int | Id of patient |
|  | | | |
| Access role | * Doctor | | |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Patient": {  "Id": 0,  "Email": "",  "FirstName": "",  "LastName": "",  "Birthday": "",  "Phone": "",  "Gender": 0,  "Role": 0,  "Created": 0,  "LastModified": 0,  "Status": 0,  "Address": 0,  "Photo": "",  "Height": 0,  "Weight": 0,  "Money": 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"  } |

1. **Edit patient profile**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **PUT** | api/patient/profile | | |
| 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 server api. |
| HEADER | **Password** | string | Password of email. |
| BODY | **FirstName** | string | First name of patient   * **Max length: 32** * **Optional** |
| BODY | **LastName** | string | Last name of patient   * **Max length: 32** * **Optional** |
| BODY | **Birthday** | double | Birthday of patient   * **Optional** * **Year > 1916** |
| BODY | **Gender** | byte | Gender of patient   * **Optional** * **0 : Male** * **1 : Female** |
| BODY | **Password** | string | Password of patient account.   * **Optional** * **Min length: 8** * **Max length: 16** * **Only alphanumeric.** |
| BODY | **Phone** | string | Phone of gender   * **Optional** * **Max length: 15** |
| BODY | **Address** | string | Address of patient.   * **Optional** * **Max length: 128** |
| BODY | **Weight** | double | Weight of patient.   * **Optional** * **Min : 1** * **Max : 500** |
| BODY | **Height** | double | Height of patient   * **Optional** * **Min: 30** * **Max : 400** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "User": {  "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": [ "", "" ]  } |
| **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**  Something is wrong with server. Tell client to try again. | {  "Error": "W021"  } |

1. **Find a 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 server api. |
| HEADER | **Password** | string | Password of email. |
| URL | **Id** | int | Id of doctor |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Doctor": {  "Id": 0,  "FirstName": "",  "LastName": "",  "Email": "",  "Password": "",  "Birthday": 0,  "Gender": 0,  "Address": "",  "Phone": "",  "Role": 0,  "Photo": "",  "Rank": 0,  "Specialty": {  "Id": 0,  "Name": ""  },  "Place": {  "Id": 0,  "City": "",  "Country": ""  },  "Voters": 0,  "Money": 0,  "Created": 0,  "LastModified": 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"  } |
| **404**  Doctor is not found. | {  "Error": "W006"  } |

1. **Edit doctor profile**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **PUT** | api/doctor/profile | | |
| 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 server api. |
| HEADER | **Password** | string | Password of email. |
| BODY | **Phone** | string | Phone of gender   * **Optional** * **Max length: 15** |
| BODY | **Address** | string | Address of patient.   * **Optional** * **Max length: 128** |
| BODY | **Passwords** | string | Password of patient account.   * Optional * Min length: 8 * Max length: 16 * Only alphanumeric. |
| BODY | **Place** | int | Id of place where doctor works   * **Optional** |
| BODY | **FirstName** | string | First name of patient   * **Max length: 32** * **Optional** |
| BODY | **LastName** | string | Last name of patient   * **Max length: 32** * **Optional** |
| BODY | **Birthday** | double | Birthday of patient   * **Optional** * **Year > 1916** |
| BODY | **Gender** | byte | Gender of patient   * **Optional** * **0 : Male** * **1 : Female** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "User": {  "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": [ "", "" ]  } |
| **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**  Place is not found. | {  "Error": "W031"  } |
| **500**  Something is wrong with server. Tell client to try again. | {  "Error": "W021"  } |

1. **Filter another patient.**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/people/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 server api. |
| HEADER | **Password** | string | Password of email. |
| BODY | **Email** | string | Email of patient   * **Optional.** * **Max length : 64** * **Regex :** ^[a-zA-Z-\_.@]\* |
| BODY | **Phone** | string | Phone of patient   * **Optional** * **Max length: 15** |
| BODY | **Name** | string | Name of patient.   * **Optional.** * **Max length : 64** |
| BODY | **MinBirthday** | double | Time after which patient was born.   * **Optional** * **Year > 1916** * **<= MaxBirthday** |
| BODY | **MaxBirthday** | double | Time before which patient had been born.   * **Optional** * **Year > 1916** * **>= MinBirthday** |
| BODY | **Gender** | int | Gender of patient.   * **Optional** * **0 : Male** * **1: Female** |
| BODY | **Page** | int | Index of result page.   * **Min : 0 (default)** |
| BODY | **Records** | int | Number of records per page.   * **Min : 1** * **Max 20 (default)** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Users": [  {  "Id": 0,  "FirstName": "",  "LastName": "",  "Email": "",  "Birthday": 0,  "Phone": "",  "Photo": "",  "Address": ""  }  ],  "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**  Something is wrong with server. Tell client to try again. | {  "Error": "W021"  } |

1. **Request to reset password (Forgot password)**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/account/forgot | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string | Language which messages responded from server will be formatted.   * Default : en-US |
| URL | **Email** | string | Email which is used for accessing server api. |
|  | | | |
| Use case | * Doctor or patient requests system to send an email contains url and forgot password code to reset password * Flow : Request password change -> Receive email | | |

* + 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"  } |
| **404**  Account is not found as active in system. | {  "Error": "W006"  } |

1. **Submit new password (Forgot password)**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/account/forgot | | |
| Type | Params | Values | Description |
| HEADER | **Accept-Language** | string | Language which messages responded from server will be formatted.   * Default : en-US |
| BODY | **Token** | string | Token which is used for password reset.   * **Required.** * **Max length: 10** |
| BODY | **Password** | string | New password of account   * **Required.** * **Only alphanumeric** * **Min length: 8** * **Max length : 16** |
|  | | | |
| Use case | * Doctor or patient requests system to send an email contains url and forgot password code to reset password * Flow : Open url sent to email -> Fill code and password -> Submit -> Password is changed. | | |

* + 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"  } |
| **403**  Token is expired. | {  "Error": "W029"  } |
| **404**  Token is not found in the system. | {  "Error": "W006"  } |
| **500**  Internal server error. |  |