1. **API Home screen** < chưa cần làm vội, bàn bạc sau >

- Mô tả chức năng: Lấy thong tin notification và số tin nhắn đến hiển thị ra màn hình home app.

a. Request

|  |  |
| --- | --- |
| Method | Url |
| GET |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
|  |  |  |  |
|  |  |  |  |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 |  |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |

1. **API danh sách chuyên khoa**

* Danh sách tất cả các chuyên khoa của bác sỹ.

<Tách specialty trong doctor ra làm một table mới Specialties [*id*, name]>

1. Request

|  |  |
| --- | --- |
| 1. Method | Url |
| **POST** | <api/specialty/filter> |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| BODY | Page | int | Index of page |
| BODY | Records | int | How many records displayed a page.   * Min : 1 * Max : (infinity) * Default : **All** |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  Specialties : **[**  I**d**: <id>,  Name: <name>  **],**  **Total : 0**  } |
| 404 | {       "Error**s**":[         ""     ] } |
| 400 | {       "Error**s**":[  "",  ""     ] } |

**3**. **API Danh sách bác sỹ tìm kiếm**

- Danh sách kết quả tìm kiếm bác sỹ

<tạo hai table mới cho Countries[id, name] và Cities[id, countryID, name]>

1. Request

|  |  |
| --- | --- |
| Method | Url |
| GET |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
|  | Country | String | CountryID want to search |
|  | City | String | Tên thành phố cần tìm kiếm |
|  | Name | String | Tên Bác sỹ cần tìm kiếm |
|  | SpecialtyID | String | Chuyên ngành id bác sỹ |
|  |  |  |  |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  "Doctors":[         {            "Id":"",          "FirstName":"",          "LastName":"",          "Email":"",          "Password":"",          "Birthday":"",          "Gender":"",          "Address":"",  "Country": {  Id: "",  Name: ""  },  "City": {  Id: "",  Name: ""  },          "Longitude":"",          "Latitude":"",          "Phone":"",          "Role":"",          "Status":"",          "Photo":"",          "Rank":"",          "Speciality":"",          "Voters":"",          "Money":"",          "Created":"",          "LastModified":""       }    ],    "Total":  } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API danh sách bác sỹ đã lien kết với bệnh nhân**
2. Request

|  |  |
| --- | --- |
| Method | Url |
| POST |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
|  | PatientId |  | Id cua benh nhan |
| HEADER | Email | string | Email which is used for logging in server. |
| HEADER | Password | string | Password of email which is being used for accessing server. |
| BODY | Page | int | Index of page result |
| BODY | Records | int | Number of records per page.   * Min : 1 * Max : 20 |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  "Doctors":[         {            "Id":"",          "FirstName":"",          "LastName":"",          "Email":"",          "Password":"",          "Birthday":"",          "Gender":"",          "Address":"",  "Country": {  Id: "",  Name: ""  },  "City": {  Id: "",  Name: ""  },         "Longitude":"",          "Latitude":"",          "Phone":"",          "Role":"",          "Status":"",          "Photo":"",          "Rank":"",          "Speciality":"",          "Voters":0,          "Money":0,          "Created":0,          "LastModified":0       }    ],    "Total":  } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Get All Allergy**

* Lay ten tat ca dị ứng và các phản ứng của bệnh nhân với dị ứng
* Add them trường Name trong bảng Allergy

1. Request

|  |  |
| --- | --- |
| Method | Url |
| GET |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string | Email which is being used to access patient website. |
| HEADER | Password | string | Password of patient email. |
| BODY | Page | int | Index of page. (from 0) |
| BODY | Records | int | Amount of records can be displayed per page.   * Min : 1 * Max : 20 |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  Allergies:[  {  Id: <id>,  Person: <who created>, (Cái này do chính bệnh nhân tạo)  Name: <name\_allergy>,  Cause: <cause>  Note: <note>,  Created: <created\_date>,  LastModified: <modified\_date>  },  ],  “Total” : 0  } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Create Allergy**
2. Request

|  |  |
| --- | --- |
| Method | Url |
| **POST** | <api/allergy> |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| BODY | Name | string | Name of allergy   * Min : Not required. * Max : 32 |
| BODY | Cause | string | Cause of allergy   * **Required**. * Max : 128 |
| BODY | Note | string | Note of allergy   * Min : Not required. * Max : 128 |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  Allergy:  {  Id: <id>,  Person: <who created>,  Name: <name\_allergy>,  Cause: <cause>  Note: <note>,  Created: <created\_date>,  LastModified: <modified\_date> (Always null)  }  } |
| **400** | {       "Error**s**":**[**         "Invalid "     **]** } |
| **401**  **User hasn’t logged in** | {       "Error**s**":**[**         "Invalid "     **]** } |
| **403**  **User isn’t allowed to access the function** | {       "Error**s**":**[**         "Invalid "     **]** } |

1. **API Edit Allergy**
2. Request

|  |  |
| --- | --- |
| Method | Url |
| PUT |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| **HEADER** | Email | string | Description is above. |
| **HEADER** | Password | string | Description is above. |
| **URL** | Id | int | Allergy ID. |
| **BODY** | Name | string | Name of allergy   * Restriction is above. |
| **BODY** | Cause | string | Cause of allergy   * Restriction is above. |
| **BODY** | Note | string | Note of allergy.   * Restriction is above. |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  Allergy:  {  Id: “”,  Person: <who created>,  Name: “”  Cause: “”  Note: “”,  Created: 0,  LastModified: 0  }  } |
| **400** | {       "Error**s**":[  "",  ""     ] } |
| **404**  **No record has been found** | {       "Error**s**":[  "",  ""     ] } |
| **401**  **User hasn’t logged in** | {       "Error**s**":[         ""     ] } |
| **403**  **User isn’t allowed to access the function** | {       "Error**s**":[         ""     ] } |
| **409**  **Record is conflict (Not only record is searched)** | {       "Error**s**":[         ""     ] } |

1. **API Delete Allergy**
2. Request

|  |  |
| --- | --- |
| Method | Url |
| DELETE | <api/allergy> |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| URL | Id | int | Allergy ID |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| **200** |  |
| **400** | {       "Errors":[  "",  ""     ] } |
| **404**  **No record has been found** | {       "Errors":[  "",  ""     ] } |
| **401**  **User hasn’t logged in** | {       "Errors":[         ""     ] } |
| **403**  **User isn’t allowed to access the function** | {       "Errors":[         ""     ] } |
| **409**  **Record is conflict (Not only record is searched)** | {       "Errors":[         ""     ] } |

1. **API Get All Appointment**

<có thể pagination là default, nhưng có thể lấy ra hết tất cả, có thể filter theo status >

1. Request

|  |  |
| --- | --- |
| Method | Url |
| POST |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| BODY | Mode | int | Which mode user wants to uses.   * 0 : Requester is the appointment maker * 1 : Requester is the appointment target. |
| BODY | Partner | int | Who made appointment or be appointed. |
| BODY | MinCreated | long | Time after which appointment was created.   * Not required (optional) |
| BODY | MaxCreated | long | Time before which appointment had been created.   * Not required (optional) |
| BODY | MinFrom | long | Time after which appointment would be available.   * Not required (optional) |
| BODY | MaxFrom | long | Time before which appointment would have been available. |
| BODY | MinTo | long | Description as MinFrom , applied to To |
| BODY | MaxTo | long | Description as MaxFrom, applied to To |
| BODY | MinCreated | long | Description as MinFrom , applied to Created |
| BODY | MaxCreated | long | Description as MaxFrom, applied to Created |
| BODY | Status | int | Status of appointment   * 0 : Cancelled. * 1 : Pending. * 2 : Active. * 3 : Done |
| BODY | MinModified | long | Description as MaxFrom, applied to LastModified |
| BODY | MaxModified | long | Description as MaxFrom, applied to LastModified. |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  “Appointments”:[  {  Id:,  Maker:{  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  Dater: {  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  Partner : {  Id : 0,  FirstName: “”,  LastName: “”,  },  From:,  To:,  Note:,  Created:,  Status,  LastModified:  }  ]  “Total”:  } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Get One Appointment** 
   1. Request

|  |  |
| --- | --- |
| Method | Url |
| GET |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| URL | Id | int | Id of appointment. |

* 1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  “Appointment”:{  Id:,  Maker:{  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  Dater: {  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  From:,  To:,  Note:,  Created:,  Status,  LastModified:  }    } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Edit Appointment**

<chỉ cho phép edit những lịch hẹn chưa kết thúc + pending, hai người tham gia có thể edit -> cần dc sự chấp thuận từ phía còn lại>

1. Request

|  |  |
| --- | --- |
| Method | Url |
| PUT |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| URL | Id | int | * Id of appointment. |
|  | Maker |  |  |
|  | Dater |  |  |
| BODY | From | long | Description is above. |
| BODY | To | long | Description is above. |
| BODY | Note |  | **Note of appointment.**  **If the current user is the maker of appointment, he/she can change the note.** **Otherwise, 403 will be thrown back**.   * Min: Required * Max : 128 |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {  “Appointment”:{  Id:,  Maker:{  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  Dater: {  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  From:,  To:,  Note:,  Created:,  Status,  LastModified:  }    } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Change Status Appointment**

< chỉ đc thay đổi status trên DB để người còn lại có thể xem đc) -> thông báo cho người còn lại, có thể cần hoặc không cần[trường hợp cancel] sự chấp thuận từ người còn lại>

* **21.06.2016 21:51 : Need to implement an api to help user accept the request status change.**

1. Request

|  |  |
| --- | --- |
| Method | Url |
| PUT |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string | Description above. |
| HEADER | Password | string | Description above. |
| URL | Id | int | Id of appointment. |
| BODY | Status | int | Status that user wants to change. |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 204 |  |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Create Appointment**
2. Request

|  |  |
| --- | --- |
| Method | Url |
| POST |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| BODY | Maker | int | Id of appointment maker   * Required |
| BODY | Dater | int | Id of appointment target   * Required |
| BODY | From | long | Time when appointment should be taken place.   * Required * From < To |
| BODY | To | long | Time when appointment is expired.   * Required * To > From |
| BODY | Note | string | Appointment note.   * Required * Max : 128 |
| BODY | Status |  | * By default, when an appointment is created, its status is always **pending**. |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 201 | {  “Appointment”:{  Id:,  Maker:{  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  Dater: {  Id: <id>,  FirstName: <fname>,  LastName: <lname>  },  From:,  To:,  Note:,  Created:,  Status : 1 (Pending - always)  LastModified: null (always null)  }    } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Edit profile**
2. Request

|  |  |
| --- | --- |
| Method | Url |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
|  | Id |  | Patient or doctor can only edit his/her profile. |
|  | FirstName |  |  |
|  | LastName |  |  |
|  | Birthday |  |  |
|  | Phone |  |  |
|  | Gender |  |  |
|  | Address |  |  |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 201 | {      "**User**":{         "Id":"",       "FirstName":"",       "LastName":"",       "Email":"",       "Password":"",       "Birthday":"",       "Gender":"",       "Address":"",       "Longitude":"",       "Latitude":"",       "Phone":"",       "Role": 0,       "Status": 0,       "Photo":"",       "Money": 0,       "Created":"",       "LastModified":""    } } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |

1. **API Get profile**

* **21.06.2016 22:04 : TODO : Need confirmation.**

1. Request

|  |  |
| --- | --- |
| Method | Url |
| GET | api/patient/profile |

|  |  |  |  |
| --- | --- | --- | --- |
| Type | Params | Values | Description |
| HEADER | Email | string |  |
| HEADER | Password | string |  |
| URL | Id |  | Id of patient |

1. Response

|  |  |
| --- | --- |
| Status | Content |
| 200 | {      "Patient":{         "Id":"",       "FirstName":"",       "LastName":"",       "Email":"",       "Password":"",       "Birthday":"",       "Gender":"",       "Address":"",       "Longitude":"",       "Latitude":"",       "Phone":"",       "Role":"",       "Status":"",       "Photo":"",       "Money":"",       "Created":"",       "LastModified":""    } } |
| 404 | {       "Error":[         "Invalid "     ] } |
| 400 | {       "Error":[  "",  ""     ] } |
|  |  |