Backend Profile API

Specification

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# Summary

We need to make modifications to the backend API for Profile. This document captures the new PROFILE API endpoints exposed by the backend.

All PROFILE-related items should be exposed through the new Profile API. For justification, see this Slack thread:

* <https://fitfortis-dev.slack.com/archives/CPAHK1VUM/p1577384471002300>

# General Requirements

1. The new Profile API should be introduced in parallel with the existing endpoints. Only after it’s done, we should redirect the UI to it, and then remove the old endpoints. This is **IMPORTANT** so that we don’t break the site, during development.
2. All items in the Profile should be exposed behind the Profile API. Specifically:
   1. Account
   2. Basic Information
   3. Lifestyle
   4. Chronic Conditions
   5. Family History
   6. Therapy & Vaccines
3. The API should be simple and consistent.
4. The ultimate backstore for all conditions, therapies, vaccines, etc. is the ENCYCLOPEDIA. We must not store names or descriptions in the auxiliary tables for Profile. The tables should always point to Encyclopedia IDs.
5. Although the backend should will be doing a bunch of JOIN operations to extract localized names and descriptions, the backend API should always return the necessary data to minimize roundtrips to the server.
6. All GET requests that need to return localized info should include the languageCode too, to help us localize the content.

# Specific Requirements

## Endpoints Summary

|  |  |
| --- | --- |
| Existing API Endpoint | New API Endpoint |
| Api/account/… | Api/profile/account/… |
| Api/user/{id}/activity | Api/profile/activity/user/{userId} |
| ~ | Api/profile/basicinformation/user/{userId}/lang/{languageCode} |
| Api/user/{id}/lifestyle | Api/profile/lifestyle/user/{userId}/lang/{languageCode} |
| Api/chroniccondition/user/{userid} | Api/profile/chroniccondition/user/{userId}/lang/{languageCode} |
| Api/familyhistory/user/{userid} | Api/profile/familyhistory/user/{userId}/lang/{languageCode} |
| Api/therapy/… | Api/profile/therapyandvaccine/ user/{userId}/lang/{languageCode} |
| Api/vaccine/… | ~ |

## Api/profile/account/me

**Necessary changes:**

1. See response below.
2. The basic

**Sample responses:**

// GET api/profile/account/me

{

  "item": {

    "firstName": "Janette",

    "lastName": "Smith",

    "email": "demo@fitfortis.com",

  "dateOfBirth": "1974-07-26T00:00:00Z",

    "languageCode": "en-US",

"photoUrl": "https://fitfortis.com/photos/",

"userId": "b2ef5acd-b98b-4be0-affb-08d7432783f0"

  },

  "success": true

}

## Api/profile/activity/user/{userId}

**Sample responses:**

// No change in the response – just add a new endpoint, so that we can

// get rid of the old one when we switch to the new Profile APIs

## Api/profile/basicinformation/user/{userId}/lang/{languageCode}

**Necessary changes:**

1. See response below
2. Introduce the new endpoint that returns basic information about the individual.

**Sample responses:**

// GET api/profile/basicinformation/user/{userId}/lang/{languageCode}

{

  "items": [

{

"category": "Basic Information",

"name": "Sex at birth",

"description": "...",

"encyclopediaId": "...",

"values": [

{

"id": 1,

"name": "Male",

"**isSelected**": true

},

{

"id": 2,

"name": Female",

"isSelected": false

},

{

"id": 3,

"name": Intersex",

"isSelected": false

},

]

},

{

"category": "Basic Information",

"name": "Gender identity",

"description": "...",

"encyclopediaId": "...",

"values": [ /\* ... \*/ ]

},

{

"category": "Basic Information",

"name": "Ethnic origin",

"description": "...",

"encyclopediaId": "...",

"values": [ /\* ... \*/ ]

},

],

"items": 3,

"success": true

}

## Api/profile/lifestyle/user/{userId}/lang/{languageCode}

**Necessary changes:**

1. See response below
2. The changes here are quite extensive. We treat “Lifestyle” as the category, and the individual items (Tobaco, Alcohol, etc.) as items in that category. They are pointing to the corresponding encyclopediaId (for Tobacco, Alcohol, etc)
3. There are multiple possible options for every time, so we have a “values” array.

**Sample responses:**

// GET api/profile/lifestyle/user/{userid}/lang/{languageCode}

{

"items": [

{

"**category**": "Lifestyle",

"**name**": "Tobacco",

"**description**": "...",

"**encyclopediaId**": "...",

"**values**": [  
 {

"id": 1,

"name": "No",

"**isSelected**": true

},

{

"id": 2,

"name": "< 10 per day",

"isSelected": false

},

// ...

]

},

{

"category": "Lifestyle",

"name": "Alcohol",

"description": "If you are like many Americans, you drink alcohol at least occasionally. For many people, moderate drinking is probably safe. It may even have health benefits, including reducing your risk of certain heart problems. For most women and for most people over 65, moderate drinking is no more than three drinks a day or seven drinks per week. For men under 65, it is no more than four drinks a day or 14 drinks per week.",

"encyclopediaId": "d36ab254-dcbc-43b5-52f1-08d77e21eb9f",

"values": [  
 {

"id": 1,

"name": "No",

"isSelected": false

},

{

"id": 2,

"name": "Occasionally with meals",

"isSelected": true

},

// ...

]

},

// ...

],

"total": 20,

"success": true

}

## Api/profile/chroniccondition/user/{userId}/lang/{languageCode}

**Necessary changes:**

1. See response below
2. Get rid of chronicConditionId
3. Add encyclopediaId
4. Add description
5. Rename selectedByUser to isSelected.

**Sample responses:**

// GET api/profile/chroniccondition/user/{userid}/lang/{languageCode}

{

"items": [

{

"**category**": "Lung",

"**name**": "Chronic bronchitis and emphysema (COPD)",

"**description**": "The abbreviation COPD (chronic obstructive pulmonary (lung) disease, aka COLD) indicates a group of various lunch diseases, including chronic bronchitis",

"**encyclopediaId**": "9dfe9a53-8c4b-4ee9-5a8f-08d77e21eb9f",

"**isSelected**": false

},

// ...

],

"total": 20,

"success": true

}

## Api/profile/familyhistory/user/{userId}/lang/{languageCode}

**Necessary changes:**

1. See response below
2. Get rid of familyHistoryId
3. Add encyclopediaId
4. Add description
5. Rename selectedByUser to isSelected.

**Sample responses:**

// GET api/profile/familyhistory/user/{userid}/lang/{languageCode}

{

"items": [

{

"**category**": "General",

"**name**": "Myocardial infarction",

"**description**": "",

"**encyclopediaId**": "9dfe9a53-8c4b-4ee9-5a8f-08d77e21eb9f",

"**isSelected**": false

},

{

"category": "General",

"name": "Stroke",

"description": "A stroke occurs when the blood supply to part of the brain is suddenly interrupted or when a blood vessel in the brain bursts, spilling blood into the spaces surrounding brain cells. Brain cells die when they no longer receive oxygen and nutrients from the blood or there is sudden bleeding into or around the brain. ",

"encyclopediaId": "dcf2649e-dbfc-4a7e-5546-08d77e21eb9f",

"isSelected": false

},

{

"category": "Psychiatric Disorders",

"name": "Depression",

"description": "Depression is a serious medical illness. It's more than just a feeling of being sad or "blue" for a few days. If you are one of the more than 19 million teens and adults in the United States who have depression, the feelings do not go away. They persist and interfere with your everyday life.",

"encyclopediaId": "2bea3218-2e39-4ee5-5822-08d77e21eb9f",

"isSelected": false

},

// ...

],

"total": 20,

"success": true

}

## Api/profile/therapyandvaccine/user/{userId}/lang/{languageCode}

**Necessary changes:**

1. See response below
2. Merge therapies and vaccines in the same endpoint. No need to have 2 separate ones.
3. Add **isRecommended** to all vaccines and therapies
4. Get rid of the IDs and replace them with **encyclopediaId** – every one of these items will have a corresponding encyclopedia id
5. Add description

**Sample responses:**

// GET api/profile/therapyandvaccine/user/{userid}/lang/{languageCode}

{

"items": [

{

"**category**": "Long-Term Therapy",

"**name**": "Anticancer therapy",

"**description**": "...",

"**encyclopediaId**": "...",

"**isSelected**": true,

"**isRecommended**": false

},

{

"category": "Long-Term Therapy",

"name": "Blood pressure therapy",

"description": "...",

"encyclopediaId": "...",

"isSelected": true,

"isRecommended": false

},

// ...

{

"category": "Vaccines in Childhood (<18Y)",

"name": "Hepatitis B (Hep B)",

"description": "...",

"encyclopediaId": "...",

"isSelected": false,

"isRecommended": false

},

],

"total": 21,

"success": true

}