UniPoint backend dokumentáció

Tiszolczi Jácint

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1 Mysql Szerver

- Szolgáltató

  - Azure Database for MySQL flexible server
  - Config: Burstable, B1ms, 1 vCores, 2 GiB RAM, 20 storage, 360 IOPS
  - Hely: Poland Central

- Admin login

  - Username: uniPointAdmin
  - Password: appsettings.json-ben

- Tűzfal

  - Csak az Azureon lévő backend érhetné el az adatbázist, de jelenleg minden IP elérheti hogy lokálisan is lehessen futtatni a backendet.

2 Adatbázis felépítése

Az adatbázis elkészítését az EntityFramework kezeli, tehát a model osztályokból készíti a táblákat és a kapcsolatokat. Az adatbázis MySQL alapú, ezt a Pomelo.EntityFrameworkCore.MySql NuGet package valósítja meg.

2.1 user tábla

- Id: PK, VARCHAR(255), not null, unique

- UserName: LONGTEXT, not null, 1-30 hosszú

- Email: VARCHAR(255), email validáció

- PhoneNumber: LONGTEXT, telefonszám validáció

- ProfilePictureUrl: VARCHAR(255), not null, default: `"https://tiszolczijacint.blob.core.windo`

- CreatedAt: DATETIME(6), not null, timestamp validáció, default: létrehozás dátuma UTC

- PasswordHash: LONGTEXT, not null, automatikus titkosítás

- Location: VARCHAR(255)

- IsPushNotificationsEnabled: TINYINT(1), (Entityframework bool)

- UserSelectedLanguage: LONGTEXT, Lehetséges értékek: "magyar", "angol"

IdentityUser által létrehozott, közvetlenül nem használt

- AccessFailedCount: INT(11), not null

- ConcurrencyStamp: LONGTEXT

- EmailConfirmed: TINYINT(1), not null

- LockoutEnabled: TINYINT(1), not null

- LockoutEnd: DATETIME(6)

- NormalizedEmail: LONGTEXT

- NormalizedUserName: LONGTEXT

- PhoneNumberConfirmed: TINYINT(1), not null

- SecurityStamp: LONGTEXT

- TwoFactorEnabled: TINYINT(1), not null

2.2   services tábla

- ServiceId: PK, INT(11), not null, unique

- UserId: VARCHAR(255), not null, FK: user.Id, (Szolgáltató Id)

- ServiceName: VARCHAR(255), not null

- Price: INT(11), not null

- Description: VARHCHAR(2000), not null

- Address: VARCHAR(255), not null

- Duration: INT(11)

- CategoryId: INT, not null

- ImageUrls: LONGTEXT (Entityframework string list)

- ClosesAt: TIME(6)

- OpensAt: TIME(6)

2.3   categories tábla

- CategoryId: PK, INT, not null, default: `"https://tiszolczijacint.blob.core.windows.net/img`

- Name: VARCHAR(255), not null

- IconUrl: LONGTEXT

2.4 appointments tábla

- Id: PK, INT(11), not null, unique

- UserId: VARCHAR(255), FK: user.Id, (Foglaló Id)

- ServiceId: INT(11), not null, FK: services.ServiceId

- appointmentDate: DATETIME(6), not null, timestamp validáció

- Status: INT(11), not null

  - az EF kezeli, igazából enum
  - lehetséges értékei: OPEN, SCHEDULED, DONE, $CANCELLED_{BYUSER}$, $CANCELLED_{BYSERVICE}$
  - default: OPEN

2.5 reviews tábla

- ReviewId: PK, INT(11), not null, unique

- UserId: VARCHAR(255), FK: user.Id, (Értékelő Id)

- ServiceId: INT(11), not null, FK: services.ServiceId

- Score: INT(11), not null, értéke 1-5

- Description: VARHCHAR(2000), not null

- CreatedAt: DATETIME(6), not null, timestamp validáció, default: létrehozás dátuma UTC

2.6 EntityFramework és IdentityUser által létrehozott táblák

- roleclaims

  - Id: PK, INT(11), not null, unique
  - RoleId: LONGTEXT
  - ClaimType: LONGTEXT
  - ClaimValue: LONGTEXT

- roles

  - Id: PK, VARCHAR(255), not null, unique
  - Name: LONGTEXT
  - NormailzedName: LONGTEXT
  - ConcurrencyStamp: LONGTEXT

- userclaims

  - Id: PK, INT(11), not null, unique
  - UserId: LONGTEXT
  - ClaimType: LONGTEXT
  - ClaimValue: LONGTEXT

- userlogins

- LoginProvider: PK, VARCHAR(255), not null, unique
- ProviderKey: PK, VARCHAR(255), not null, unique
- ProviderDisplayName: LONGTEXT
- UserId: LONGTEXT

- userroles

  - UserId: PK, VARCHAR(255), not null, unique
  - RoleId: PK, VARCHAR(255), not null, unique

- usertokens

  - UserId: PK, VARCHAR(255), not null, unique
  - LoginProvider: PK, VARCHAR(255), not null, unique
  - Name: PK, VARCHAR(255), not null, unique
  - Value: LONGTEXT

- _efmigrationhistory

  - MigrationId: PK, VARCHAR(150), not null, unique
  - ProductVersion: VARCHAR(32), not null

3 Végpontok

Swagger: [[https://unipoint-b6h6h4cubncmafhh.polandcentral-01.azurewebsites.net/swagger/index.html]]

- A hitelesítéshez a bejelentkezéskor kapott JWT tokent be kell másolni az Authorize részbe.

3.1 Auth

3.1.1 Register

- url: /api/Auth/register

- POST request:

```
{
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Gyor",
  "password": "Jeno123",
  "role": "User"
}
```

- Response:

  - StatusCode: 200

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiI1YmM1MDk3Mi01M2RmLTQ
  "message": "User registered successfully!",
  "userId": "5bc50972-53df-456a-8e60-c37222ad103d",
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Gyor"
}
```

3.1.2 Login

- url: /api/Auth/login

- POST request:

```
{
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiI1YmM1MDk3Mi01M2RmLTQ
  "message": "Login successful",
  "userId": "5bc50972-53df-456a-8e60-c37222ad103d",
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Gyor"
}
```

- Response:

  - StatusCode: 200

```
{
  "token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiJiZjhjYjNhMC00MWVjLTRm
  "message": "Login successful",
  "userId": "bf8cb3a0-41ec-4fb7-8eab-e9fda1b35d24"
}
```

3.1.3 Logout

- url: /api/Auth/logout

- POST request

- Response:

  - StatusCode: 200

```
{
  "message": "Logout successful."
}
```

3.2 User

- Roles: User, Provider

3.2.1 Get Users

- url: /api/User

- GET request

- Response:

  - StatusCode: 200

```
[
  {
    "userName": "HabosBabos",
    "email": "habos@babos.com",
    "location": "habos",
    "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/63cf
  },
  {
    "userName": "KisJeno",
    "email": "kisjeno@example.com",
    "location": "Budapest Váci út 93",
    "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/2005
  },
 ...
]
```

3.2.2 Get User by ID

- url: /api/User/{id}

- GET request (/api/User/5bc50972-53df-456a-8e60-c37222ad103d)

- Response:

  - StatusCode: 200

```
{
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Gyor",
  "role": "User",
  "createdAt": "2025-04-22T09:00:52.015807"
}
```

3.2.3 Update User

- Role: Current User

- url: /api/User/{id}

- PUT request (/api/User/5bc50972-53df-456a-8e60-c37222ad103d)

```
{
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Budapest",
  "isPushNotificationsEnabled": true,
  "userSelectedLanguage": "magyar"
}
```

- Response:

  - StatusCode: 200

```
{
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Budapest",
  "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/20055b
}
```

3.2.4   Change User Profile Picture

- Role: Current User

- url: /api/User/{id}/upload-profile-picture

- POST request (/api/User/5bc50972-53df-456a-8e60-c37222ad103d/upload-profile-picture)

```
{
  "headers": {
    "accept": "*/*",
    "Authorization": "Bearer [token]",
    "Content-Type": "multipart/form-data"
  },
  "body": {
    "file": {
      "value": "@pfp.jpg",
      "options": {
        "filename": "pfp.jpg",
        "contentType": "image/jpeg"
      }
    }
  }
}
```

- Response:

  - StatusCode: 200

```
{
  "userName": "jeno",
  "email": "jeno@example.com",
  "location": "Budapest",
  "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/bb4054
}
```

3.2.5   Delete User

- Role: Current User

- url: /api/User/{id}

- DELETE request (*api/User/5bc50972-53df-456a-8e60-c37222ad103d*

- Response:

  - StatusCode: 200

```
{
  message: User deleted successfully.
}
```

3.3   Service

3.3.1   Get Services

- url: /api/Service

- GET request

- Response:

    – StatusCode: 200

```
[
  {
    "serviceId": 1,
    "userId": "5b02dd18-efa6-49e4-bb14-72956dfd92fb",
    "provider": {
      "userName": "NagyFerenc",
      "email": "nagyferenc@example.com",
      "location": "Győr Budai Út 23",
      "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/ab
    },
    "category": {
      "categoryId": 1,
      "name": "Hajvágás",
      "iconUrl": "https://tiszolczijacint.blob.core.windows.net/img/7addb194-b06
    },
    "categoryId": 1,
    "serviceName": "Férfi hajvágás",
    "price": 5000,
    "description": "Donec pretium posuere tellus.  Nullam rutrum.  Praesent augu
    "address": "Győr Budai Út 83",
    "duration": 20,
    "openingHours": 0,
    "imageUrls": [
      "https://tiszolczijacint.blob.core.windows.net/img/cda0f295-d78b-40f0-a5cc
      "https://tiszolczijacint.blob.core.windows.net/img/3edda464-8ae6-481d-ba57
    ]
  },
  {
    "serviceId": 2,
    "userId": "35a3407f-5d3f-4715-a6b6-51f154c40511",
    "provider": {
      "userName": "KisJeno",
      "email": "kisjeno@example.com",
      "location": "Budapest Váci út 93",
      "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/20
    },
    "category": {
```

```
      "categoryId": 2,
      "name": "Szerelés",
      "iconUrl": "https://tiszolczijacint.blob.core.windows.net/img/ef1431cf-223
    },
    "categoryId": 2,
    "serviceName": "Mobiltelefon szerelés",
    "price": 20000,
    "description": "Donec pretium posuere tellus.  Nullam rutrum.  Praesent augu
    "address": "Budapest Váci út 93",
    "duration": 100,
    "openingHours": 0,
    "imageUrls": [
      "https://tiszolczijacint.blob.core.windows.net/img/b351255a-1ad5-48dd-b6ef
      "https://tiszolczijacint.blob.core.windows.net/img/f1771efb-a476-4e48-a52f
    ]
  },
  ...
]
```

3.3.2 Get Service by ID

- url: /api/Service/{id}

- GET request (/api/Service/1)

- Response:

    - StatusCode: 200

```
{
  "serviceId": 1,
  "userId": "5b02dd18-efa6-49e4-bb14-72956dfd92fb",
  "provider": {
    "userName": "NagyFerenc",
    "email": "nagyferenc@example.com",
    "location": "Győr Budai Út 23",
    "profilePictureUrl": "https://tiszolczijacint.blob.core.windows.net/img/ab68
  },
  "category": {
    "categoryId": 1,
    "name": "Hajvágás",
    "iconUrl": "https://tiszolczijacint.blob.core.windows.net/img/7addb194-b06e-
  },
  "categoryId": 1,
  "serviceName": "Férfi hajvágás",
  "price": 5000,
  "description": "Donec pretium posuere tellus.  Nullam rutrum.  Praesent augue.
  "address": "Győr Budai Út 83",
  "duration": 20,
  "openingHours": 0,
  "imageUrls": [
    "https://tiszolczijacint.blob.core.windows.net/img/cda0f295-d78b-40f0-a5cc-d
    "https://tiszolczijacint.blob.core.windows.net/img/3edda464-8ae6-481d-ba57-7
```

```
    ]
}
```

3.3.3 Post new Service

- Role: Provider

- url: /api/Service

- POST request:

```json
{
  "userId": "677e7b94-d191-4db7-8af8-ab22b32ff2ed",
  "categoryId": 2,
  "serviceName": "Autó szerelés",
  "price": 30000,
  "description": "Praesent a eros sit amet eros hendrerit semper in quis purus.
  "address": "Gyor Szent Istvan ut 95",
  "duration": 120,
  "opensAt": "08:00:00",
  "closesAt": "17:00:00"
}
#+end_src json
- Response:
  - StatusCode: 201
#+begin_src json :eval no-export :wrap breaklines
{
  "serviceId": 3,
  "userId": "677e7b94-d191-4db7-8af8-ab22b32ff2ed",
  "provider": null,
  "category": null,
  "categoryId": 2,
  "serviceName": "Autó szerelés",
  "price": 30000,
  "description": "Praesent a eros sit amet eros hendrerit semper in quis purus.
  "address": "Gyor Szent Istvan ut 95",
  "duration": 120,
  "opensAt": "08:00:00",
  "closesAt": "17:00:00",
  "imageUrls": null
}
```

3.3.4 Update Service

- Role: Provider of service

- url: /api/Service/{id}

- PUT request (/api/Service/3)

```json
{
  "serviceId": 3,
  "userId": "677e7b94-d191-4db7-8af8-ab22b32ff2ed",
  "serviceName": "Autó szerelés",
```

```
      "price": 40000,
      "description": "Praesent a eros sit amet eros hendrerit semper in quis purus.
      "address": "Gyor Szent Istvan ut 95",
      "duration": 120,
      "opensAt": "08:00:00",
      "closesAt": "17:30:00"
}
```

- Response:

  - StatusCode: 200

```
{
    "serviceId": 3,
    "userId": "677e7b94-d191-4db7-8af8-ab22b32ff2ed",
    "provider": null,
    "category": null,
    "categoryId": 2,
    "serviceName": "Autó szerelés",
    "price": 40000,
    "description": "Praesent a eros sit amet eros hendrerit semper in quis purus.
    "address": "Gyor Szent Istvan ut 95",
    "duration": 120,
    "opensAt": "08:00:00",
    "closesAt": "17:30:00",
    "imageUrls": null
}
```

3.3.5 Add Images to Service

- Role: Provider of service

- url: /api/Service/{id}/upload-service-picture

- POST request (/api/Service/3/upload-service-picture)

```
{
  "headers": {
    "accept": "*/*",
    "Authorization": "Bearer [token]",
    "Content-Type": "multipart/form-data"
  },
  "body": {
    "files": [
      {
        "value": "@car1.jpg",
        "options": {
          "filename": "car1.jpg",
          "contentType": "image/jpeg"
        }
      },
      {
        "value": "@car2.jpg",
```

```
        "options": {
          "filename": "car2.jpg",
          "contentType": "image/jpeg"
        }
      },
      {
        "value": "@car3.jpg",
        "options": {
          "filename": "car3.jpg",
          "contentType": "image/jpeg"
        }
      }
    ]
  }
}
```

- Response:

  - StatusCode: 200

```
{
  "serviceId": 3,
  "userId": "677e7b94-d191-4db7-8af8-ab22b32ff2ed",
  "provider": null,
  "category": null,
  "categoryId": 2,
  "serviceName": "Autó szerelés",
  "price": 40000,
  "description": "Praesent a eros sit amet eros hendrerit semper in quis purus.
  "address": "Gyor Szent Istvan ut 95",
  "duration": 120,
  "opensAt": "08:00:00",
  "closesAt": "17:00:00",
  "imageUrls": [
    "https://tiszolczijacint.blob.core.windows.net/img/2136ae16-7f2d-47c0-b30a-7
    "https://tiszolczijacint.blob.core.windows.net/img/6e143f27-6257-4df2-8471-8
    "https://tiszolczijacint.blob.core.windows.net/img/1f148c9b-4341-494b-8219-5
  ]
}
```

3.3.6 Delete Service

- Role: Provider of service

- url: /api/Service/{id}

- DELETE request (*api/Service/3*

- Response:

  - StatusCode: 200