



Informatikos fakultetas

Saityno taikomųjų programų projektavimas

T120B165

laboratorinio darbo ataskaita

Studentas:

Stud. Marius Jasiūnas

Dėstytojas:

Tomas Blažauskas

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1. Sprendžiamo uždavinio aprašymas

1.1. Sistemos paskirtis

Projekto tikslas – skaitmenizuoti namo administratoriaus darbą valdant komentarus susijusius su namu. Veikimo principas – pačią kuriamą platformą sudaro dvi dalys: internetinė aplikacija, kuria naudosis gyventojai, administratorius bei aplikacijų programavimo sąsaja (angl. trump. API). Gyventojas, norėdamas naudotis šia platforma, prisiregistruos prie internetinės aplikacijos ir turės galimybę palikti komentarus, keisti savo asmeninę informaciją, išsiregistruoti iš svetainės, peržiūrėti kitų žmonių komentarus bei butų sąrašą. Administratorius tvirtintų gyventojų registracijas, peržiūrėtų jų paliktus komentarus, nes prieš paskelbimą viešai, komentaras turėtų būti patvirtintas. Administratorius taip pat galės kurti ir redaguoti naujus butus ir aukštus (jei kurie butai ar aukštai taptų nenaudojamais).

Žinutė->gyventojas->butas->aukštas

1.2. Funkciniai reikalavimai

Neregistruotas sistemos naudotojas galės:

1. Peržiūrėti platformos reprezentacinį puslapį;
2. Prisijungti prie internetinės aplikacijos.
3. Registruotis prie internetinės aplikacijos.

Registruotas sistemos naudotojas galės:

1. Atsijungti nuo internetinės aplikacijos;
2. Prisijungti prie platformos;
3. Rašyti komentarą;
4. Redaguoti savo informaciją.
5. Peržiūrėti kitų registruotų naudotojų paskelbtus komentarus.

Administratorius galės:

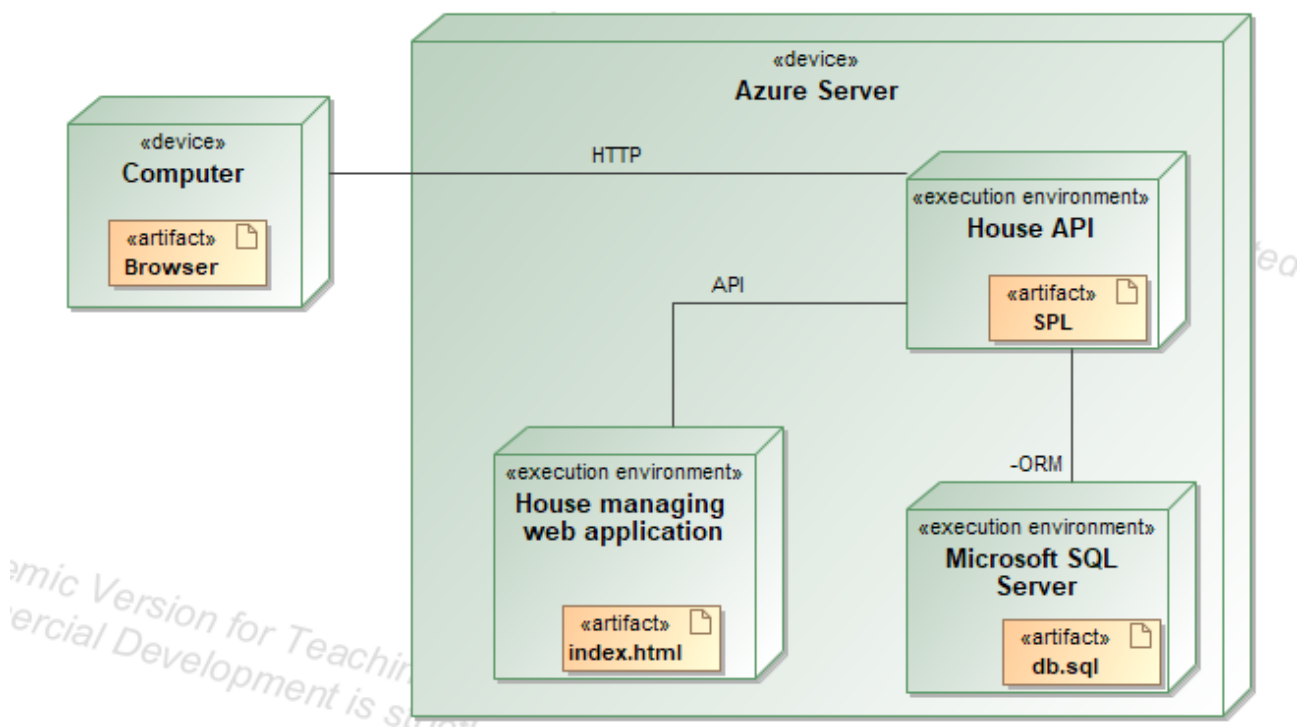
1. Patvirtinti naudotojo registraciją.
2. Patvirtinti norimus skelbti viešai komentarus.
3. Šalinti netinkamus komentarus.
4. Sukurti naujus aukštus bei butus.
5. Šalinti aukštus ir butus.
6. Šalinti aukštų ir butų informaciją.
7. Rašyti komentarus.

2. Sistemos architektūra

Sistemos sudedamosios dalys:

- Kliento pusė (ang. Front-End) – naudojant React.js;
- Serverio pusė (angl. Back-End) – .Net Core API. Duomenų bazė – Microsoft SQL

2.1 pav. pavaizduota kuriamos sistemos diegimo diagrama. Sistemos talpinimui yra naudojamas Azure serveris. Kiekviena sistemos dalis yra diegiama tame pačiame serveryje. Internetinė aplikacija yra pasiekama per HTTP protokolą. Šios sistemos veikimui (pvz., duomenų manipuliavimui su duomenų baze) yra reikalingas Namas API, kuris pasiekiamas per aplikacijų programavimo sąsają. Pats Namas API vykdo duomenų mainus su duomenų baze - tam naudojama ORM sąsaja.



Naudotojo sąsajos projektas

Namų
puslapis

Aukštai	Butai	Gyventojai	Žinutės	Prisijungti / Atsijungti	Registruotis
_____ informacija			Išsamiau	Redaguoti	Ištrinti
_____ informacija			Išsamiau	Redaguoti	Ištrinti
_____ informacija			Išsamiau	Redaguoti	Ištrinti
_____ informacija			Išsamiau	Redaguoti	Ištrinti
_____ informacija			Išsamiau	Redaguoti	Ištrinti
_____ informacija			Išsamiau	Redaguoti	Ištrinti
Sukurti naują _____					

Paspaudus prisijungimo mygtuką

Prisijunkite

Prisijungimo vardas
Slaptažodis

Paspaudus registracijos mygtuką

Registruotis

Prisijungimo vardas
Slaptažodis
E- pastas
tel nr.

Įgyvendinimas

Namų puslapis (visi puslapiai turi tą patį išdėstymą)

AukštaiButaiGyventojaiŽinutėsAtsijungti

Aukštai

Aukšto id		Kuris Aukštas
1	<div>RedaguotiIštrinti</div>	5
4	<div>RedaguotiIštrinti</div>	1
6	<div>RedaguotiIštrinti</div>	11

AukštaiButaiGyventojaiŽinutėsAtsijungti

AukštaiButaiGyventojaiŽinutėsAtsijungti

Butai

Buto id	Buto numeris	Aukšto id
4	7	1
6	3	1
7	4	1

AukštaiButaiGyventojaiŽinutėsAtsijungti

Prisijungimo puslapis

Prisijunkite

Vartotojo vardas

jonas

Slaptažodis

.....

Prisijungti

Esate neregistruotas? [Registruotis](#)

Registracijos puslapis

Registruotis

Vardas

e.g., Jonas

Pavarde

e.g., Jonaitis

Telefono numeris

e.g., 863086770

Slaptažodis

e.g., Jonas123

Buto id

0

Registruotis

Galimi atsako kodai: (response codes)

Floors

Get /api/Floors

200

Success

Media type

text/plain

Controls Accept header.

Example Value | Schema

```
[
  {
    "id": 0,
    "whichFloor": 0
  }
]
```

400

Bad Request

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

401

Unauthorized

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

403

Forbidden

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

404

Not Found

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

Post /api/Floors

Code	Description
200	<div><div>Success</div><div><div>Media type</div><div>text/plain</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><pre>0</pre></div></div>
400	<div><div>Bad Request</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>
401	<div><div>Unauthorized</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>
403	<div><div>Forbidden</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>

Get /api/Floors/{id}

200

Success

Media type

text/plain

Controls Accept header.

Example Value | Schema

```
{
  "id": 0,
  "whichFloor": 0
}
```

400

Bad Request

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

401

Unauthorized

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

403

Forbidden

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

404

Not Found

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```


Put /api/Floors/{id}

204	Success
400	Bad Request
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	Unauthorized
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	Forbidden
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	Not Found
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Delete /api/Floors/{id}

Code	Description
204	Success
400	Bad Request
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	Unauthorized
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	Forbidden
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	Not Found
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Flats

Get /api/Floors/{floorId}/Flats

Code	Description
200	<div>Success</div> <div>Media type text/plain</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>[{ "id": 0, "FlatNumber": 0, "floorId": 0 }]</pre></div>
400	<div>Bad Request</div> <div>Media type text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	<div>Unauthorized</div> <div>Media type text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	<div>Forbidden</div> <div>Media type text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	<div>Not Found</div> <div>Media type text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Post /api/Floors/{floorId}/Flats

Code	Description
200	<div><div>Success</div><div><div>Media type</div><div>text/plain</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><div>0</div></div></div>
400	<div><div>Bad Request</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</div></div></div>
401	<div><div>Unauthorized</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</div></div></div>
403	<div><div>Forbidden</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</div></div></div>

Get /api/Floors/{floorId}/Flats/{id}

Code	Description
200	<div><div>Success</div><div><div>Media type</div><div>text/plain</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "id": 0, "flatNumber": 0, "floorId": 0 }</pre></div></div>
400	<div><div>Bad Request</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>
401	<div><div>Unauthorized</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>
403	<div><div>Forbidden</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>
404	<div><div>Not Found</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div>

Put /api/Floors/{floorId}/Flats/{id}

Code	Description
204	Success
400	Bad Request
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	Unauthorized
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	Forbidden
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	Not Found
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

People

Get /api/Flats/{flatId}/People

Code	Description
200	<div>Success</div> <div>Media type</div> <div>text/plain</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "id": 0, "name": "string", "lastName": "string", "phoneNumber": "string", "isApproved": true, "flatId": 0, "password": "string", "role": "string" }</pre></div>
400	<div>Bad Request</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	<div>Unauthorized</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	<div>Forbidden</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	<div>Not Found</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Post /api/Flats/{flatId}/People

Code	Description
200	<div><div>Success</div><div><div>Media type</div><div>text/plain</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><div>0</div></div></div>
400	<div><div>Bad Request</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</div></div></div>
401	<div><div>Unauthorized</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</div></div></div>
403	<div><div>Forbidden</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</div></div></div>

Get /api/Flats/{flatId}/People/{id}

Code	Description
200	<div>Success</div> <div>Media type</div> <div>text/plain</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "id": 0, "name": "string", "lastName": "string", "phoneNumber": "string", "isApproved": true, "flatId": 0, "password": "string", "role": "string" }</pre></div>
400	<div>Bad Request</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	<div>Unauthorized</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	<div>Forbidden</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	<div>Not Found</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Post /api/Flats/{flatId}/People/{id}

Code	Description
204	Success
400	Bad Request
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	Unauthorized
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	Forbidden
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	Not Found
	<div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Delete /api/Flats/{flatID}/People/{id}

Code	Description
204	Success
400	Bad Request
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>
401	Unauthorized
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>
403	Forbidden
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>
404	Not Found
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>

Messages

Get /api/People/{ personId }/Messages

Code	Description
200	<div>Success</div> <div>Media type</div> <div>text/plain</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ { "id": 0, "textMessage": "string", "personId": 0 } }</pre></div>
400	<div>Bad Request</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
401	<div>Unauthorized</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
403	<div>Forbidden</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>
404	<div>Not Found</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div>

Post /api/People/{ personId }/Messages

Code	Description
200	<div><div>Success</div><div><div>Media type</div><div>text/plain</div></div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><div><div>0</div></div></div>
400	<div><div>Bad Request</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div></div>
401	<div><div>Unauthorized</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div></div>
403	<div><div>Forbidden</div><div><div>Media type</div><div>text/plain</div></div><div><div>Example Value</div><div>Schema</div></div><div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre></div></div></div>

Get /api/People/{personId}/Messages/{id}

200

Success

Media type

text/plain

Controls Accept header.

Example Value

Schema

```
{
  "id": 0,
  "textMessage": "string",
  "personId": 0
}
```

400

Bad Request

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

401

Unauthorized

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

403

Forbidden

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

404

Not Found

Media type

text/plain

Example Value | Schema

```
{
  "type": "string",
  "title": "string",
  "status": 0,
  "detail": "string",
  "instance": "string",
  "additionalProp1": "string",
  "additionalProp2": "string",
  "additionalProp3": "string"
}
```

Put /api/People/{personId}/Messages/{id}

Code	Description
204	Success
400	Bad Request
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>
401	Unauthorized
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>
403	Forbidden
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>
404	Not Found
	Media type
	<div>text/plain</div>
	Example Value Schema
	<pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }</pre>

Delete /api/People/{personId}/Messages/{id}

Code	Description
204	Success
400	Bad Request <div> Media type <div>text/plain</div> </div> <div> Example Value Schema </div> <pre> { "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } </pre>
401	Unauthorized <div> Media type <div>text/plain</div> </div> <div> Example Value Schema </div> <pre> { "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } </pre>
403	Forbidden <div> Media type <div>text/plain</div> </div> <div> Example Value Schema </div> <pre> { "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } </pre>
404	Not Found <div> Media type <div>text/plain</div> </div> <div> Example Value Schema </div> <pre> { "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } </pre>

Account

Post /api/Account/login

Code	Description
200	<div>Success</div> <div>Media type</div> <div>text/plain</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "success": true, "user": { "id": 0, "name": "string", "lastName": "string", "phoneNumber": "string", "isApproved": true, "flatId": 0, "password": "string", "role": "string" }, "accessToken": "string", "refreshToken": "string"}</pre></div>
400	<div>Bad Request</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string"}</pre></div>
401	<div>Unauthorized</div> <div>Media type</div> <div>text/plain</div> <div>Example Value Schema</div> <div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string"}</pre></div>

Post /api/Account/refreshToken

Code	Description
200	<div><div>Success</div><div>Media type</div><div>text/plain</div><div>Controls Accept header.</div><div>Example Value Schema</div><div><pre>{ "success": true, "user": { "id": 0, "name": "string", "lastName": "string", "phoneNumber": "string", "isApproved": true, "flatId": 0, "password": "string", "role": "string" }, "accessToken": "string", "refreshToken": "string"}</pre></div></div>
400	<div><div>Bad Request</div><div>Media type</div><div>text/plain</div><div>Example Value Schema</div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string"}</pre></div></div>
401	<div><div>Unauthorized</div><div>Media type</div><div>text/plain</div><div>Example Value Schema</div><div><pre>{ "type": "string", "title": "string", "status": 0, "detail": "string", "instance": "string", "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string"}</pre></div></div>

panaudojimo pavyzdžiai (užklausa, atsakymas)

Flats

užklausa:

Get <https://localhost:7240/api/Floors/1/Flats>

atsakymas:

[illegible]

užklausa:

Post <https://localhost:7240/api/Floors/1/Flats>

atsakymas:

12

užklausa:

Get <https://localhost:7240/api/Floors/1/Flats/4>

atsakymas:

```
{
  "id": 4,
  "flatNumber": 7,
  "floorId": 1
}
```

užklausa:

<https://localhost:7240/api/Floors/1/Flats/4>

```
{
  "id": 4,
  "flatNumber": 1,
  "floorId": 1
}
```

atsakymas:

4

užklausa:

<https://localhost:7240/api/Floors/1/Flats/4>

atsakymas:

no content

Floors

užklausa:

```
GET https://localhost:7240/api/Floors
```

atsakymas:

```
[
  {
    "id": 1,
    "whichFloor": 3
  },
  {
    "id": 4,
    "whichFloor": 1
  },
  {
    "id": 6,
    "whichFloor": 11
  }
]
```

užklausa:

```
POST https://localhost:7240/api/Floors
```

```
{
  "whichFloor": 8
}
```

atsakymas:

```
16
```

užklausa:

```
GET https://localhost:7240/api/Floors/1
```

atsakymas:

```
{
  "id": 1,
  "whichFloor": 3
}
```

užklausa:

```
PUT https://localhost:7240/api/Floors/1
```

```
{
  "id": 1,
  "whichFloor": 9
}
```

atsakymas:

no content

užklausa:

```
https://tools.ietf.org/html/rfc7231#section-6.5.4
```

atsakymas:

No Content

People

užklausa:

Get <https://localhost:7240/api/Flats/4/People?floorId=1>

atsakymas:

```
[
  {
    "id": 2,
    "name": "jonas",
    "lastName": "jonas",
    "phoneNumber": "jonas",
    "isApproved": true,
    "flatId": 4,
    "password": "SwRejTSieUpWYgRwQZqwJvdg4oJBhiUpeVREs39j6V3IochWUo120LmYzog/nkLYkMiXEfA5R5RksGqdUmGKQQ==",
    "role": "User"
  },
  {
    "id": 12,
    "name": "string",
    "lastName": "string",
    "phoneNumber": "string",
    "isApproved": true,
    "flatId": 4,
    "password": "dzpohyHjgT/3RIY5xxLQnFfS45hiwywA1+weG0sX3EBvU39rRhq1GxBWtjiCejhH0qyxsgqk2reawIQGlamhqg==",
    "role": "User"
  }
]
```

užklausa:

POST <https://localhost:7240/api/Flats/4/People>

```
{
  "name": "string",
  "lastName": "string",
  "phoneNumber": "string",
  "isApproved": true,
  "flatId": 4,
  "password": "string",
  "role": "string"
}
```

atsakymas:

12

užklausa:

GET <https://localhost:7240/api/Flats/4/People/1>

atsakymas:

```
{
  "id": 0,
  "name": null,
  "lastName": null,
  "phoneNumber": null,
  "isApproved": false,
  "flatId": 0,
  "password": null,
  "role": null
}
```

užklausa:

```
PUT https://localhost:7240/api/Flats/4/People/1
```

```
{  
  "name": "string",  
  "lastName": "string",  
  "phoneNumber": "string",  
  "isApproved": true,  
  "flatId": 4,  
  "password": "string",  
  "role": "string"  
}
```

atsakymas:

no content

užklausa:

```
DELETE https://localhost:7240/api/Flats/5/People/1
```

atsakymas:

no content

Account

užklausa:

POST https://localhost:7240/api/Account/login

```
{
  "userName": "jonas",
  "password": "string"
}
```

atsakymas:

```
{
  "userName": "jonas",
  "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjEiLCJodHRwOi8vc2NoZW1hcy54bWxzbnZlLnM9YyZy93cy8yMDA1LzA1L2lkZW50aXR5L2NsYWltcy9uYWV1Ijoic3RyaW5nIiwiaHR0cDovL3NjaGVtYXMubWljcm9zb2Z0LmNvbS93cy8yMDA4LzA2L2lkZW50aXR5L2NsYWltcy9yb2x1IjoiaWRtaW4iLCJuYmYiOiJE2NzEZMTUwMjEsImV4cCI6IjE0MTY3MTMxODYyMSwiaXNzIjoiaHR0cHM6Ly9sb2Nhbmhvc3Q6NDQzMtQvIiwiaXVkIjoiaHR0cHM6Ly9sb2Nhbmhvc3Q6NDQzMtQvIn0.kvkxUlC5x8ylxxBMENw7Df6u3AR1I3QrDhnR25BrILg",
  "refreshToken": "CJ14W/3sQPTECQt68evYM4VLq0mExS3JRiNE4Elw1fU=",
  "role": "Admin"
}
```

užklausa:

<https://localhost:7240/api/Account/refreshtoken>

[illegible]

atsakymas:

```
"userName": "jonas",  
"accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjEiLCJodHRwOi8vc2NoZWl1cy54bWxzbnZFWLm9yZyY3cy8yMDA1LzlzLW50aXR5L2NsYWltcy9uYWV1Ijoic3RyaW5nIiwiaHR0cDovL3NjaGVtYXMubWljcm9zb2Z0LmNvbS93cy8yMDA4LzAzL2lkZW50aXR5L2NsYWltcy9yb2x1IjoiaWRtaW4iLCJuYmYiojE2NzEzMtUxMjIsImV4cCI6MTY3MTMxODcyMiwiawXNzIjoiaHR0cHM6Ly9sb2Nhbmhvc3Q6NDQzMtQvIiwiYXVkIjoiaHR0cHM6Ly9sb2Nhbmhvc3Q6NDQzMtQvIn0.kw1px5QBRwfXBrAF2HvvimHnT507YtpWpDwkZeQINx8",  
"refreshToken": "YwxhHPoz7nfW2awrCOAtFwIDQmi0/Zyyvt05FoIViFQ=",  
"role": null  
}
```


Projekto išvados

Projektas atliktas sėkmingai, buvo patalpintas į Azure, bet pasibaigus prenumeratai darbas tęstas lokaliai. Visas API pagal REST principus, tik „login“ endpointas turėtų vadintis „token“. Vartotojo sąsajos pusė „frontend“ atlikta nelabai gražiai, nes buvo daroma su react technologija, kuria nedirbau ankščiau.