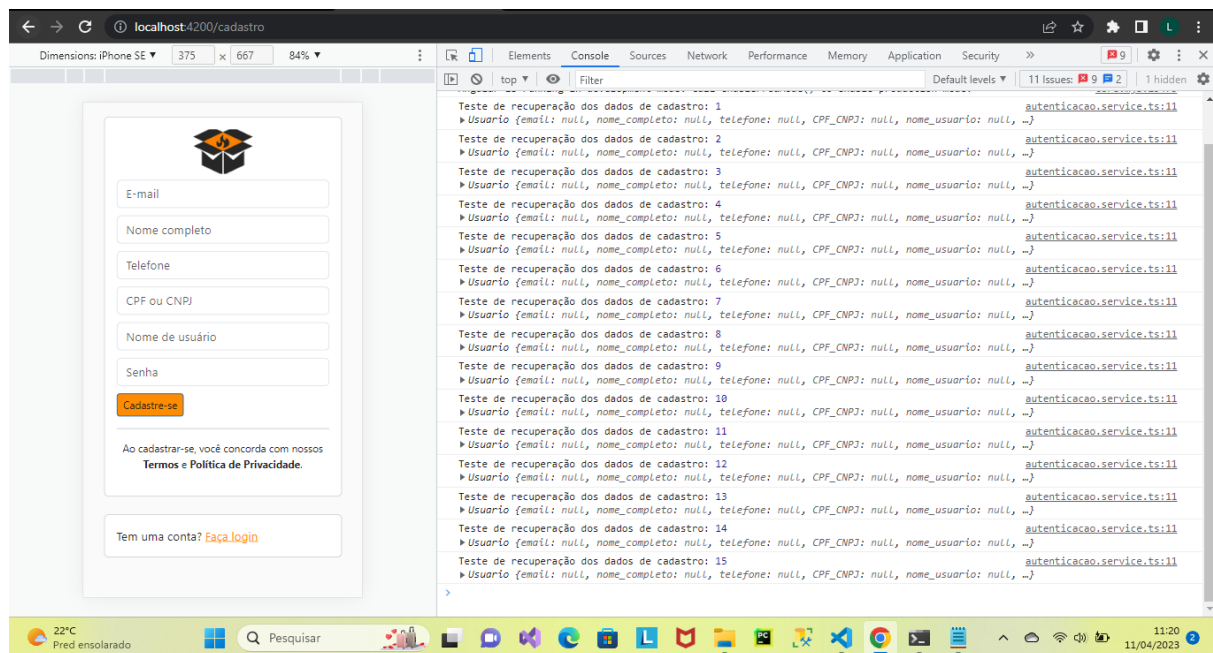
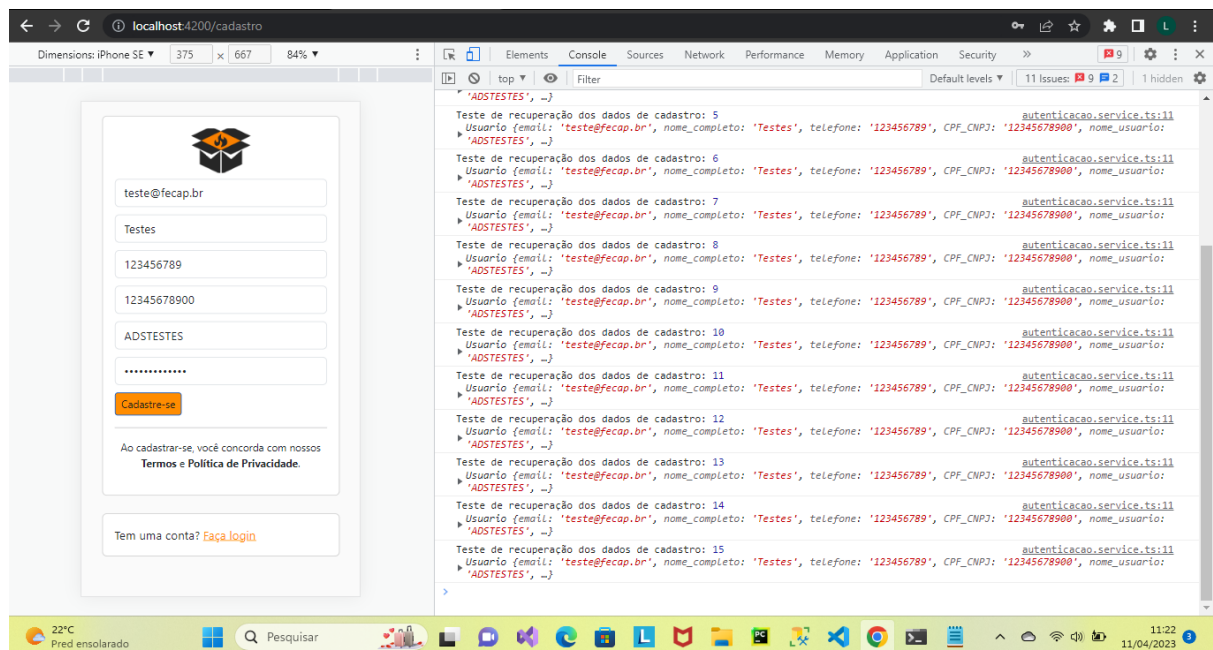


Testes realizados no sistema de cadastro de usuários utilizando Typescript e Angular junto ao FireBase.

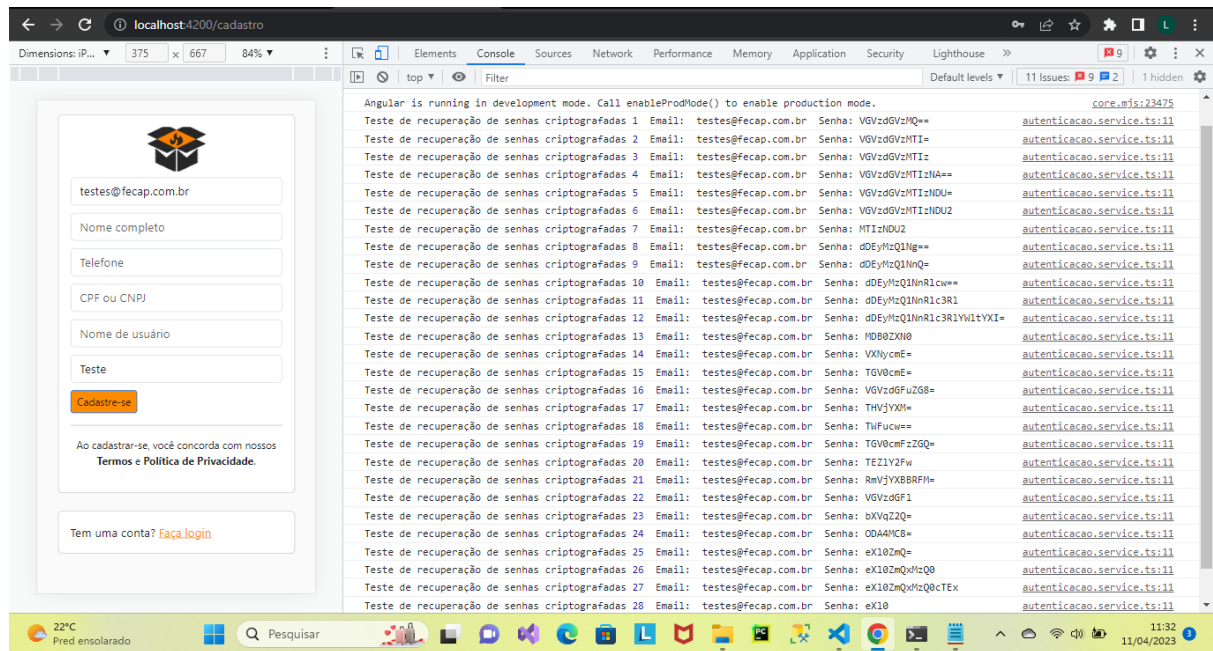
1 - Teste de recuperação de dados nulos:



2 - Teste de recuperação de dados à partir do input do usuário:

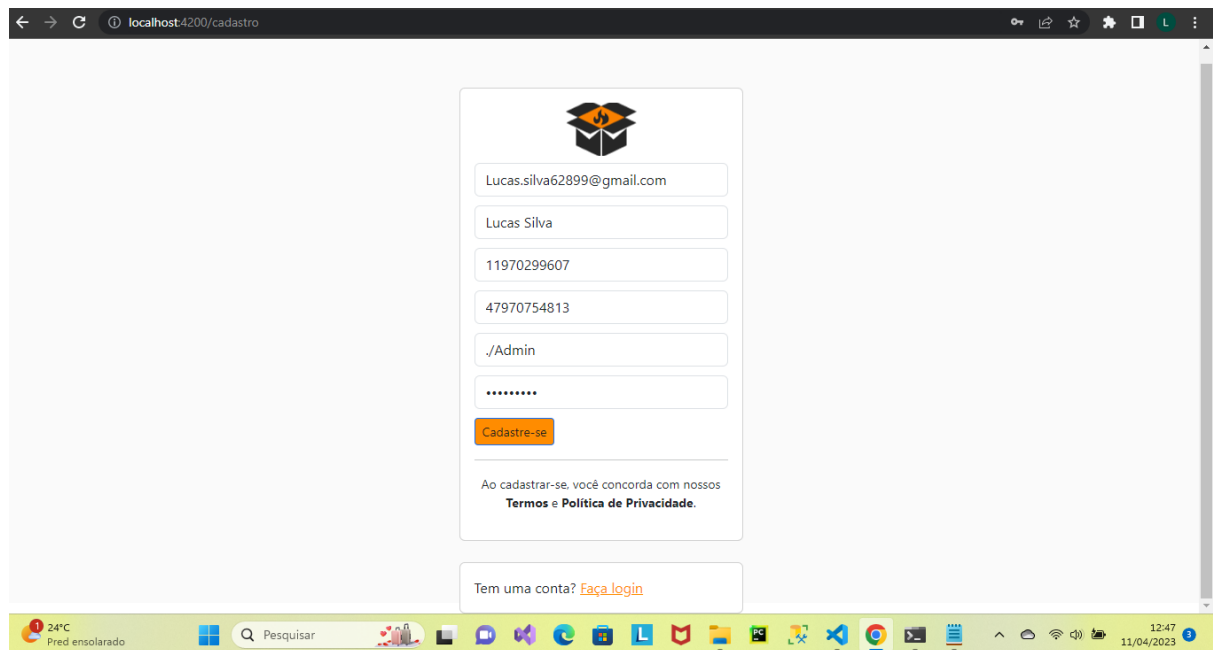


3 - Teste de recuperação da senha criptografada:

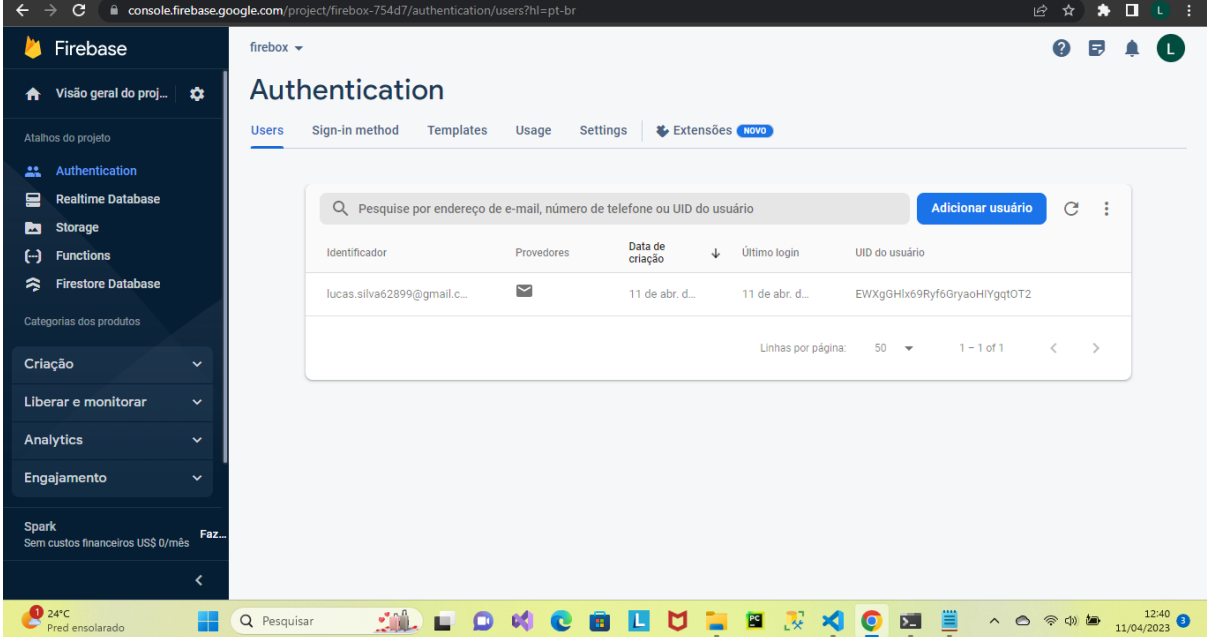


4 - Teste de cadastro bem sucedido:

4.1 - Cadastrando usuário através da página de cadastro:



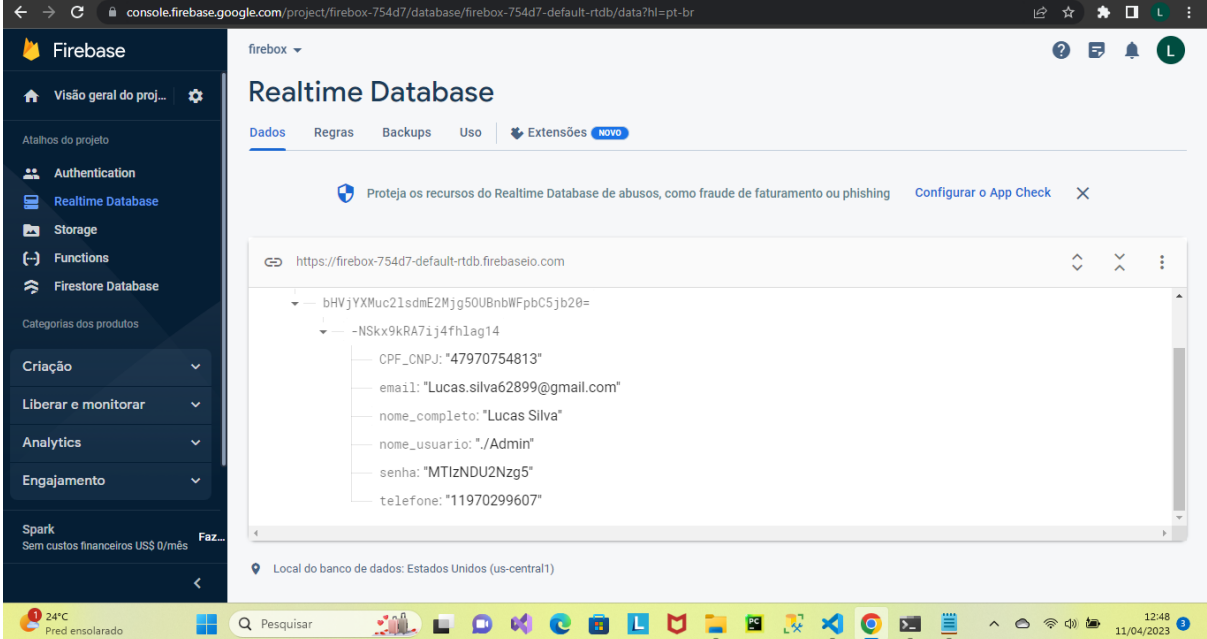
4.2 - Usuário registrado no sistema de autenticação do FireBase:



The screenshot shows the Firebase Authentication console for a project named 'firebox'. The left sidebar contains navigation links for 'Visão geral do proj...', 'Authentication', 'Realtime Database', 'Storage', 'Functions', and 'Firestore Database'. The main area is titled 'Authentication' and has tabs for 'Users', 'Sign-in method', 'Templates', 'Usage', 'Settings', and 'Extensões'. The 'Users' tab is active, displaying a search bar and a table of users. The table has columns for 'Identificador', 'Provedores', 'Data de criação', 'Último login', and 'UID do usuário'. One user is listed with the email 'lucas.silva62899@gmail.c...'. The bottom of the screen shows a Windows taskbar with the date '11/04/2023' and time '12:40'.

Identificador	Provedores	Data de criação	Último login	UID do usuário
lucas.silva62899@gmail.c...		11 de abr. d...	11 de abr. d...	EWXgGHlx69Ryf6GryaoHlYgqtOT2

4.3 - Usuário cadastrado na base de dados não relacionais do FireBase:



The screenshot shows the Firebase Realtime Database console for the same project. The left sidebar is the same as in the previous image. The main area is titled 'Realtime Database' and has tabs for 'Dados', 'Regras', 'Backups', and 'Uso'. The 'Dados' tab is active, displaying a tree view of the database structure. The path shown is 'bHVjYXMuuc2lscmE2Mjg5OU8nbWpbc5jb20=' followed by a node containing user information. The information includes 'CPF_CNPJ', 'email', 'nome_completo', 'nome_usuario', 'senha', and 'telefone'. The bottom of the screen shows a Windows taskbar with the date '11/04/2023' and time '12:48'.

```
https://firebox-754d7-default-rtdb.firebaseio.com
├── bHVjYXMuuc2lscmE2Mjg5OU8nbWpbc5jb20=
│   └── -NSKx9kRA7ij4fhlag14
│       ├── CPF_CNPJ: "47970754813"
│       ├── email: "Lucas.silva62899@gmail.com"
│       ├── nome_completo: "Lucas Silva"
│       ├── nome_usuario: "Admin"
│       ├── senha: "MTizNDU2Nzg5"
│       └── telefone: "11970299607"
```

5 - Teste de usuários duplicados no Banco de Dados:

The screenshot shows a web browser at `localhost:4200/cadastro`. The page displays a registration form with the following fields and content:

- Logo: A stylized orange and black logo.
- Email: `lucas.silva62899@gmail.com`
- First Name: `Lucas`
- Phone 1: `123456789`
- Phone 2: `1234567890`
- Username: `LucasADS`
- Password: `*****`
- Button: `Cadastre-se`
- Text: `Ao cadastrar-se, você concorda com nossos Termos e Política de Privacidade.`
- Link: `Tem uma conta? Faça Login.`

The browser's developer console shows the following messages:

- [webpack-dev-server] Server started: Hot Module Replacement disabled, Live Reloading enabled, Progress disabled, Overlay enabled.
- Angular is running in development mode. Call `enableProdMode()` to enable production mode.
- POST `https://www.googleapis.com/identitytoolkit/v3/relyingparty/signupNewUser?key=AIzaSyDz8CoaDMY955yrcfPkiQMs` `autenticacao.service.ts:12` `400`
- Error: `{code: 'auth/email-already-in-use', message: 'The email address is already in use by another account.'}`

The Windows taskbar at the bottom shows the date `11/04/2023` and time `11:35`.