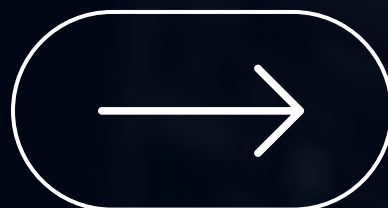


SPRINT 4

D.A.N.T SOFTWARE



Índice.

1. REQUISITOS
2. IS & IA
3. SEGURANÇA
4. DEMONSTRAÇÃO

Requisitos Funcionais.

Número	Nome	Status
R001	Login de Usuário	Completo!
R002	Cadastro de Usuário	Completo!
R003	Update de Usuário	Completo!
R004	Criação de Posts	Completo!
R005	Pesquisa e Filtragem	Completo!
R006	Página de Perfil	Completo!
R007	Página dos Jogos	Completo!

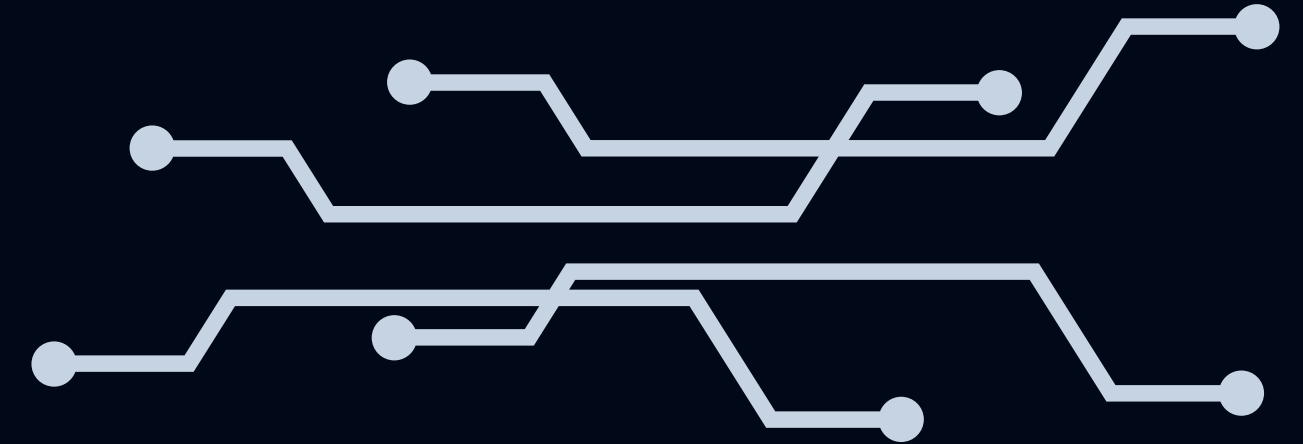
IS D.A.N.T

FERRAMENTA DE IA <ul style="list-style-type: none">• Ferramenta utilizada: API Chat providenciada pela OpenAI.• Algoritmos de Machine Learning: Treinamento e melhoria contínua.• Armazenamento e acesso ao banco de dados: Base de dados no banco de dados.	ENTRADAS <ul style="list-style-type: none">• Pergunta do usuário	PROPOSIÇÃO DE VALOR <ul style="list-style-type: none">• Dinamicidade do site.• Personalização da interação com o usuário.• Acesso a um vasto acervo de jogos.	EQUIPE <ul style="list-style-type: none">• Equipe de desenvolvimento (Front e Back).	CLIENTES <ul style="list-style-type: none">• Usuários do site, que queiram um encontrar jogos de seus interesses bem como informações sobre ele
	SAÍDA <ul style="list-style-type: none">• Dados de inúmeros jogos da API da STEAM		STAKEHOLDERS CHAVE <ul style="list-style-type: none">• Desenvolvedores de jogos• Comunidade gamer.	
CUSTOS <ul style="list-style-type: none">• Implementação inicial.• Manutenção periódica			RECEITAS <ul style="list-style-type: none">• Criação de uma assinatura premium para ter acesso veloz e mais trabalhado do acervo de jogos	

AI.



- Base Teórica = Is Canvas
- Alimentação = OpenAi



Código de Implementação:

```
const apiKey = " ";
async function sendMessage() {
  const userMessage = document.querySelector(".recebe").value;
  document.querySelector(".recebe").value = '';
  document.querySelector(".insere").innerHTML += `<div style="margin-top: 10px">Usuário: ${userMessage}</div>`;
  const Mensagem = `Você é um atendente de uma loja virtual de jogos no qual detem conhecimentos a cerca de tendencia de mercado sugestoes e banco de jogos, mas nessa loja n há promoções e por isso caso o`;
  console.log(Mensagem);
  const response = await fetch('https://api.openai.com/v1/engines/text-davinci-003/completions', {
    method: 'POST',
    headers: {
      'Content-Type': 'application/json',
      'Authorization': `Bearer ${apiKey}`
    },
    body: JSON.stringify({
      prompt: `O usuário diz: ${Mensagem}\nChatGPT:`,
      max_tokens: 150
    })
  });
  const data = await response.json();
  const chatGPTResponse = data.choices[0].text.trim();
  document.querySelector(".insere").innerHTML += `<div style="margin-top: 10px; text-align: justify; font-size: 10px;"> ChatGPT: ${chatGPTResponse}</div>`;
}
```

Segurança.

```
public class Converter {  
    public static String CriptografarMd5(String senha) {  
        try {  
            MessageDigest md = MessageDigest.getInstance("MD5");  
            byte[] senhaBytes = senha.getBytes();  
            md.update(senhaBytes);  
            byte[] digest = md.digest();  
  
            StringBuilder hashString = new StringBuilder();  
            for (byte b : digest) {  
                hashString.append(String.format("%02x", b));  
            }  
  
            return hashString.toString(); // Retorna a senha em MD5 como uma string  
        } catch (NoSuchAlgorithmException e) {  
            e.printStackTrace();  
            return null; // Em caso de erro, retorna null ou lida com exceção de outra forma  
        }  
    }  
}
```

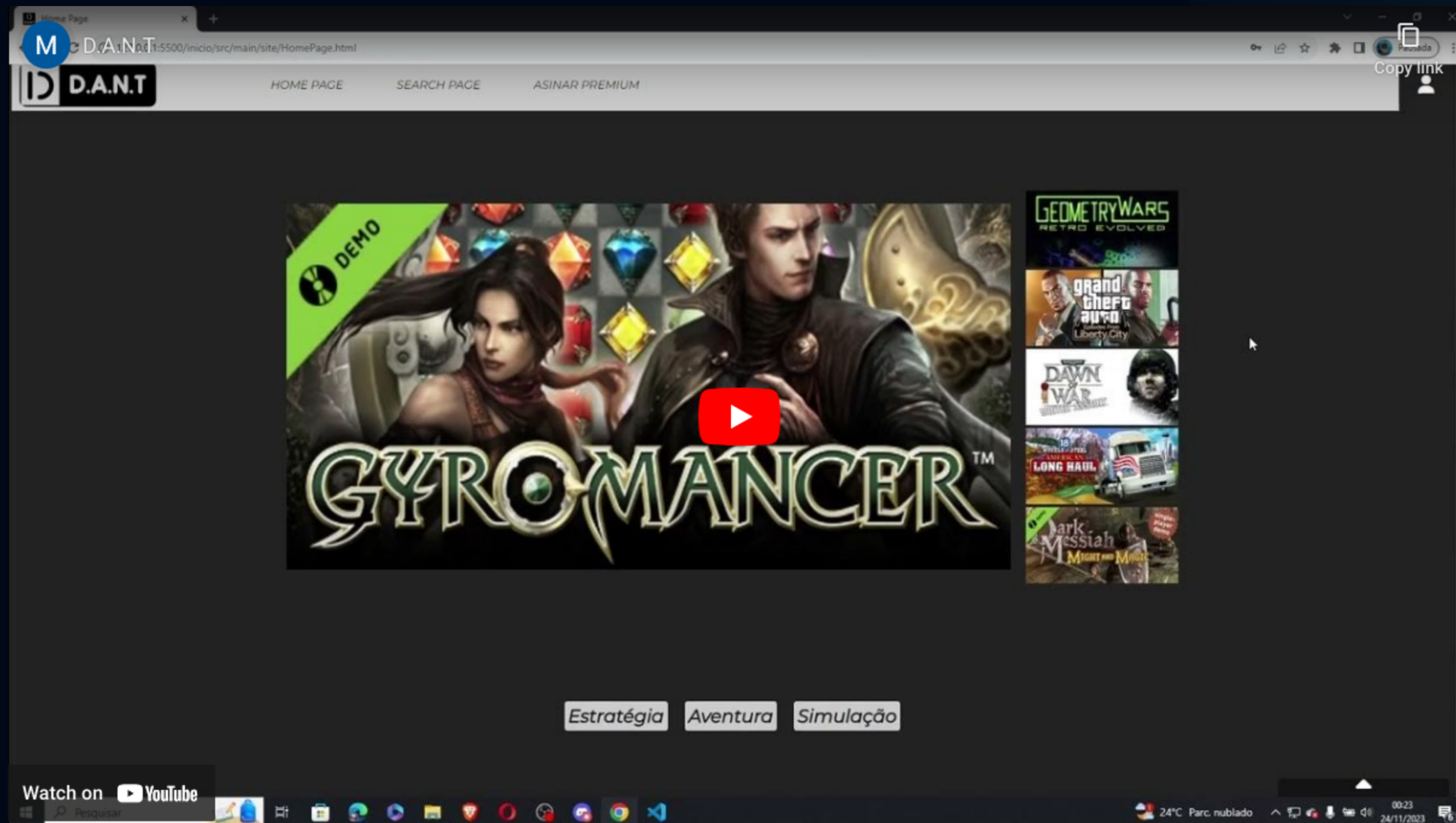
Criptografia MD5:

Segurança.

```
public boolean DeletePostById(int id) // id do post
{
    String sql = "DELETE FROM posts WHERE id = ?";
    try {
        PreparedStatement preparedStatement = conexao.prepareStatement(sql);
        preparedStatement.setInt(1, id);
        preparedStatement.executeUpdate();
        return true;
    } catch (SQLException e) {
        e.printStackTrace();
        return false;
    }
}
```

PreparedStatement:

Demonstração.



Demonstração.

```
public boolean conectar() {  
    String driverName = "org.postgresql.Driver";  
    String serverName = "dantdb.postgres.database.azure.com";  
    String mydatabase = "dant";  
    int porta = 5432;  
    String url = "jdbc:postgresql://" + serverName + ":" + porta + "/" + mydatabase;  
    String username = "admdant@dantdb";  
    String password = "██████████";  
    boolean status = false;
```

Banco de Dados no Azure:

Demonstração.

The screenshot shows an IDE with the following components:

- EXPLORER:** A project named "PLMG-CC-2023-2-TI2-G08-DANT" with a structure including "Artefatos", "Codigo", "MavenProject", "inicio", ".settings", "src", "main", "java", "DAOStruct", "ComentarioDAO.java", "DAO.java", "ForumDAO.java", "GameDAO.java", "PostDAO.java", "SubComentDAO.java", "Teste.java", "UserDAO.java", "Objetos", "Tools", "Converter.java", "Service", "ForumService.java", "GamesService.java", "PostService.java", "UserService.java", "AddGamesFromJson...", "Aplicacao.java", "GetGameJson.java", "resources", "site", "content", "css", "js", "all.js", "java.js", "javaGamePage.js", and "lavahome.is".
- Code Editor:** The file "Aplicacao.java" is open, showing the following code:

```
1 import static spark.Spark.*;
2 import Service.*;
3
4 public class Aplicacao {
5
6     public static void main(String[] args) throws Exception {
7         UserService user = new UserService();
8         GamesService game = new GamesService();
9         ForumService forum = new ForumService();
10        PostService post = new PostService();
11
12        // Habilitar o suporte a CORS (Cross-Origin Resource Sharing)
13        options(path:"/*", (request, response) -> {
14            String accessControlRequestHeaders = request.headers(header:"Access-Control-Request-Headers");
15            if (accessControlRequestHeaders != null) {
16                response.header(header:"Access-Control-Allow-Headers", accessControlRequestHeaders);
17            }
18        });
19    }
20 }
```
- Terminal:** The terminal shows the following output:

```
Conexão efetuada com o postgres!
Conexão efetuada com o postgres!
Conexão efetuada com o postgres!

[Thread-1] INFO org.eclipse.jetty.util.log - Logging initialized @9867ms to org.eclipse.jetty.util.log.Slf4jLog
[Thread-1] INFO spark.embeddedserver.jetty.EmbeddedJettyServer - == Spark has ignited ...
[Thread-1] INFO spark.embeddedserver.jetty.EmbeddedJettyServer - >> Listening on 0.0.0.0:4567
[Thread-1] INFO org.eclipse.jetty.server.Server - jetty-9.4.31.v20200723; built: 2020-07-23T17:57:36.812Z; git: 450ba27947e13e66baa8cd1ce7e85a4461cacc1d; jvm 1.8.0_391-b13
[Thread-1] INFO org.eclipse.jetty.server.session - DefaultSessionIDManager workerName=node0
[Thread-1] INFO org.eclipse.jetty.server.session - No SessionScavenger set, using defaults
[Thread-1] INFO org.eclipse.jetty.server.session - node0 Scavenging every 60000ms
[Thread-1] INFO org.eclipse.jetty.server.AbstractConnector - Started ServerConnector@7ac06313[HTTP/1.1, (http/1.1)]{0.0.0.0:4567}
[Thread-1] INFO org.eclipse.jetty.server.Server - Started @9993ms
```
- Bottom Bar:** The bottom bar shows the status "master" and a warning "WARNING: branch is master".

Conexão com o Banco de Dados :

Demonstração.

FileEditViewGoRunTerminalHelp

POSTGRESQL EXPLORER: POSTGRESQL

Results: unnamed-query-1Results: unnamed-query-2 X

dantdb.postgres.database.azure.c...

654 rows returned

azure_sys

dant

public

Functions

categoria

comentario

forum

games

pg_buffercache

pg_stat_statements

posts

subcomment

usuario

id : integer

nome : character varying(46)

senha : character varying(2...

email : character varying(46)

foto : bytea

datanasc : date

assinatura : boolean

postgres

	appid integer	json text	nome character varying
1	1172620	("1172620":{"success":true,"data":{"type":"game","name":"Sea of Thieves 2023 Edition"},"s...	Sea of Thieves
2	158	("2510":{"success":true,"data":{"type":"demo","name":"Shadowgrounds Demo","steam_appid&#...	Shadowgrounds Demo
3	159	("2540":{"success":true,"data":{"type":"game","name":"RIP - Trilogy""},"steam_appid...	RIP
4	160	("2550":{"success":true,"data":{"type":"game","name":"RIP - Trilogy""},"steam_appid...	RIP 3: The Last Hero
5	161	("2690":{"success":true,"data":{"type":"advertising","name":"Empires: Dawn of the Modern World&#...	Empires: Dawn of the Modern World
6	162	("2730":{"success":true,"data":{"type":"demo","name":"ThreadSpace: Hyperbol Demo","steam...	ThreadSpace: Hyperbol Demo
7	163	("2840":{"success":true,"data":{"type":"game","name":"X: Beyond the Frontier","steam_app...	X: Beyond the Frontier
8	164	("2900":{"success":true,"data":{"type":"game","name":"688() Hunter/Killer","steam_app...	688() Hunter/Killer
9	165	("2950":{"success":true,"data":{"type":"advertising","name":"Jagged Alliance 2: Unfinished Busin...	Jagged Alliance 2: Unfinished Business
10	166	("3050":{"success":true,"data":{"type":"game","name":"Xpand Rally Xtreme","steam_appid&#...	Xpand Rally Xtreme
11	167	("3190":{"success":true,"data":{"type":"demo","name":"King's Bounty Armored Princess DemoD...	King's Bounty: Armored Princess - Demo
12	168	("3210":{"success":true,"data":{"type":"demo","name":"Painkiller Demo","steam_appid"...	Painkiller Demo
13	223	("5003":{"success":true,"data":{"type":"movie","name":"Shadowgrounds Survivor Trailer"},"...	Shadowgrounds Survivor Trailer
14	169	("3280":{"success":true,"data":{"type":"demo","name":"Painkiller Overdose Demo","steam_a...	Painkiller Overdose Demo
15	170	("3302":{"success":true,"data":{"type":"demo","name":"Bejeweled 2 Deluxe Free Demo"},"ste...	Bejeweled 2 Deluxe Demo
16	171	("3312":{"success":true,"data":{"type":"demo","name":"Chuzzle Deluxe Free Demo"},"steam_a...	Chuzzle Deluxe Demo
17	172	("3320":{"success":true,"data":{"type":"game","name":"Insaniquarium Deluxe","steam_appid...	Insaniquarium! Deluxe
18	173	("3322":{"success":true,"data":{"type":"demo","name":"Insaniquarium Deluxe Free Demo"},"s...	Insaniquarium! Deluxe Demo
19	352400	("352400":{"success":true,"data":{"type":"game","name":"LEGO® Jurassic World","D...	LEGO® Jurassic World
20	405310	("405310":{"success":true,"data":{"type":"game","name":"LEGO® MARVEL's Avengers&#...	LEGO® MARVEL Avengers
21	647830	("647830":{"success":true,"data":{"type":"game","name":"LEGO® Marvel Super Heroes 2&#...	LEGO® Marvel Super Heroes 2
22	739630	("739630":{"success":true,"data":{"type":"game","name":"Phasmophobia","steam_appid"...	PHASMOPHOBIA
23	920210	("920210":{"success":true,"data":{"type":"game","name":"LEGO® Star Wars®,&...	LEGO® Star Wars™: A Saga Skywalker
24	1201630	("1201630":{"success":true,"data":{"type":"game","name":"Mineirinho Director's Cut"},"...	Mineirinho Directors Cut
25	1	("9860":{"success":true,"data":{"type":"advertising","name":"The Chronicles of Riddick™ As...	The Chronicles of Riddick: Assault on Dark Athena
26	2	("9992":{"success":true,"data":{"type":"dlc","name":"Ghostbusters: Sanctum of Slime Challenge Pa...	Ghostbusters Sanctum of Slime Challenge Pack
27	3	("5794":{"success":true,"data":{"type":"movie","name":"ARMA II: Operation Arrowhead Trailer 2D...	Arma 2 - Operation Arrowhead Trailer 2
28	4	("12830":{"success":true,"data":{"type":"game","name":"Operation Flashpoint: Dragon Rising"},"...	Operation Flashpoint: Dragon Rising
29	7	("15200":{"success":true,"data":{"type":"game","name":"Silent Hunter®: Wolves of the Pacifi...	Silent Hunter: Wolves of the Pacific
30	8	("6010":{"success":true,"data":{"type":"game","name":"Indiana Jones® and the Fate of Atlant...	Indiana Jones and the Fate of Atlantis
31	9	("6840":{"success":true,"data":{"type":"game","name":"Commandos 3: Destination Berlin"},"...	Commandos 3: Destination Berlin
32	10	("6250":{"success":true,"data":{"type":"game","name":"Making History: The Calm & the Storm&#...	Making History: The Calm & The Storm
33	11	("10607":{"success":true,"data":{"type":"dlc","name":"Empire: Total War™ - Elite Units of ...	Empire: Total War - Elite Units of America DLC
34	12	("7910":{"success":true,"data":{"type":"advertising","name":"The Movies: Stunts and Effects "...	The Movies: Stunts and Effects
35	13	("8400":{"success":true,"data":{"type":"game","name":"Geometry Wars: Retro Evolved"},"ste...	Geometry Wars: Retro Evolved
36	14	("12220":{"success":true,"data":{"type":"game","name":"Grand Theft Auto: Episodes from Liberty C...	Grand Theft Auto: Episodes from Liberty City

Query completed in 2.6 sec.

master 11:01 WARNING: branch is master

Live ShareGit GraphConnected to DiscordSelect Postgres Server

Banco de Dados propriamente dito :

Demonstração.

The image shows a web application interface for user registration. On the left, a browser window displays a database query result with 11 rows. The table has columns: id, nome, senha, email, foto, datanasc, and assinatura. On the right, a registration form is shown with fields for name, birth date, email, and password, along with a checkbox for terms and conditions, and buttons for 'CADASTRAR' and 'VOLTAR'.

	id integer	nome character varying	senha character varying	email character varying	foto bytea	datanasc date	assinatura boolean
1	26	adm	827ccb0eea8a706c4c34a16891f84e7b	adm@gmail.com	null	0001-01-01	false
2	27	alfa	202cb962ac59075b964b07152d234b70	alfa.alfa	null	0033-07-28	false
3	28	gaok	74be16979710d4c4e7c6647856088456	gaok@yahoo.com.br	null	0001-01-01	false
4	33	Carlos Chagas	827ccb0eea8a706c4c34a16891f84e7b	carlin@gmail.com	null	0015-07-27	false
5	34	Celin do Berru	e10adc3949ba59abbe56e057f20f883e	berro@gmail.com	null	0015-07-28	false
6	35	Digas Santos Nahim Lemos	827ccb0eea8a706c4c34a16891f84e7b	haha@gmail.com	null	0008-11-22	false
7	36	Jaum	827ccb0eea8a706c4c34a16891f84e7b	jaum@gmail.com	null	0010-09-21	false
8	37	tod	827ccb0eea8a706c4c34a16891f84e7b	toddy@gmail.com	null	0013-09-18	false
9	38	Henrique	827ccb0eea8a706c4c34a16891f84e7b	henrique@gmail.com	null	0045-11-14	false
10	39	Baraga Santos de Sei La o que	827ccb0eea8a706c4c34a16891f84e7b	baragas@gmail.com	null	0765-01-27	false
11	41	Luis phillip Lemos martins	81dc9bdb52d04dc20036dbd8313ed055	luisphilliplemosmartins@yahoo.com.br	null	0015-05-16	false

Registration Form Fields:

- Nome: Luca Barros
- Data de Nascimento: 10/10/2005
- Email: luca@gmail.com
- Senha:
- Senha Confirmada:
- Termos de Uso: ☒
- Botões: CADASTRAR, VOLTAR

Exemplo de cadastro de usuário :

Demonstração.

The image shows a PostgreSQL Explorer window on the left and a user registration form on the right. The PostgreSQL Explorer displays a table with 12 rows of user data. The registration form on the right includes fields for 'Nome Completo', a date field (dd/mm/yyyy), 'Email', 'Senha', and 'Confirmar Senha'. It also features a 'TERMOS DE USO' checkbox, a 'CADASTRAR' button, and a 'VOLTAR' link.

	id integer	nome character varying	senha character varying	email character varying	foto bytea	datanasc date	assinatura boolean
1	26	adm	827ccb0eea8a706c4c34a16891f84e7b	adm@gmail.com	null	0001-01-01	false
2	27	alfa	202cb962ac59075b964b07152d234b70	alfa.alfa	null	0033-07-28	false
3	28	gaok	74be16979710d4c4e7c6647856088456	gaok@yahoo.com.br	null	0001-01-01	false
4	33	Carlos Chagas	827ccb0eea8a706c4c34a16891f84e7b	carlin@gmail.com	null	0015-07-27	false
5	34	Celin do Berru	e10adc3949ba59abbe56e057f20f883e	berro@gmail.com	null	0015-07-28	false
6	35	Digas Santos Nahim Lemos	827ccb0eea8a706c4c34a16891f84e7b	haha@gmail.com	null	0008-11-22	false
7	36	Jaum	827ccb0eea8a706c4c34a16891f84e7b	jaum@gmail.com	null	0010-09-21	false
8	37	tod	827ccb0eea8a706c4c34a16891f84e7b	toddy@gmail.com	null	0013-09-18	false
9	38	Henrique	827ccb0eea8a706c4c34a16891f84e7b	henrique@gmail.com	null	0045-11-14	false
10	39	Baraga Santos de Sei La o que	827ccb0eea8a706c4c34a16891f84e7b	baragas@gmail.com	null	0765-01-27	false
11	41	Luis phillip Lemos martins	81dc9bdb52d04dc20036dbd8313ed055	luisphilliplemosmartins@yahoo.com.br	null	0015-05-16	false
12	42	Luca Barros	827ccb0eea8a706c4c34a16891f84e7b	luca@gmail.com	null	0016-03-27	false

Exemplo de cadastro de usuário :

Obrigado!

1. **D**

2. **A**

3. **N**

4. **T**

Obrigado!

1. **D** - DIGAS(DIEGO)
2. **A** - ASSEMBLY(LUIS)
3. **N** - NAHIM(HENRIQUE)
4. **T** - TUPAC(ARTHUR)

