

Ciência da Computação

GBC043 Sistemas de Banco de Dados



Atividade – Mapeamento para o Relacional

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Bloco B - sala 1B137

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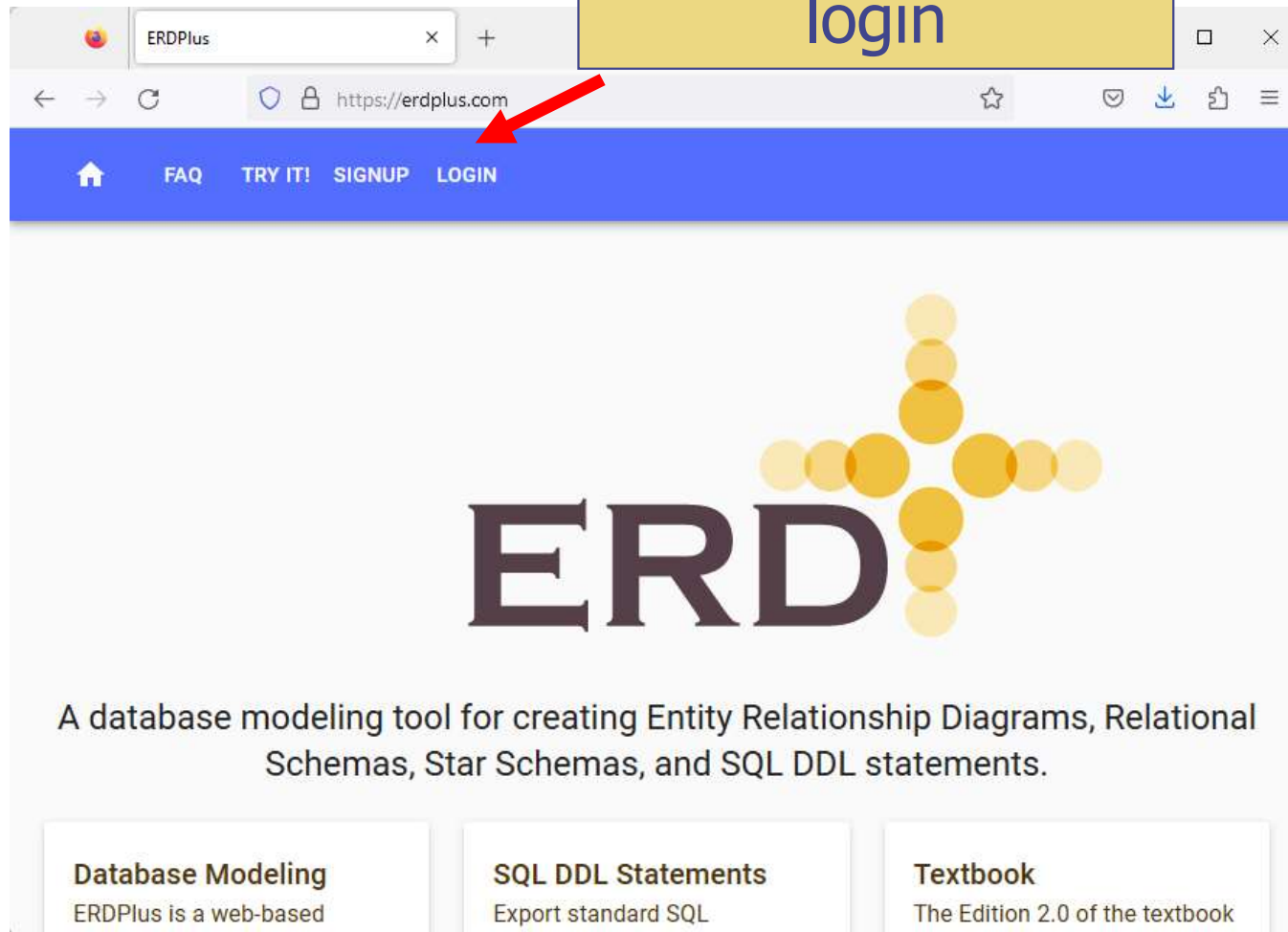
Roteiro

- ◆ Essa atividade vale 0,5 ponto
- ◆ Você deve usar a ferramenta ERD
 - Criar um novo diagrama do tipo “Relational Schema”
- ◆ Nos próximos slides será apresentado:
 - Como acessar a ferramenta
 - Descrição do exercício que deve ser resolvido e entregue até o final da aula
- ◆ Recurso adicional sobre a ferramenta
 - https://www.youtube.com/watch?v=o5L2HUb_mqQ

ERD

◆ <https://erdplus.com/>

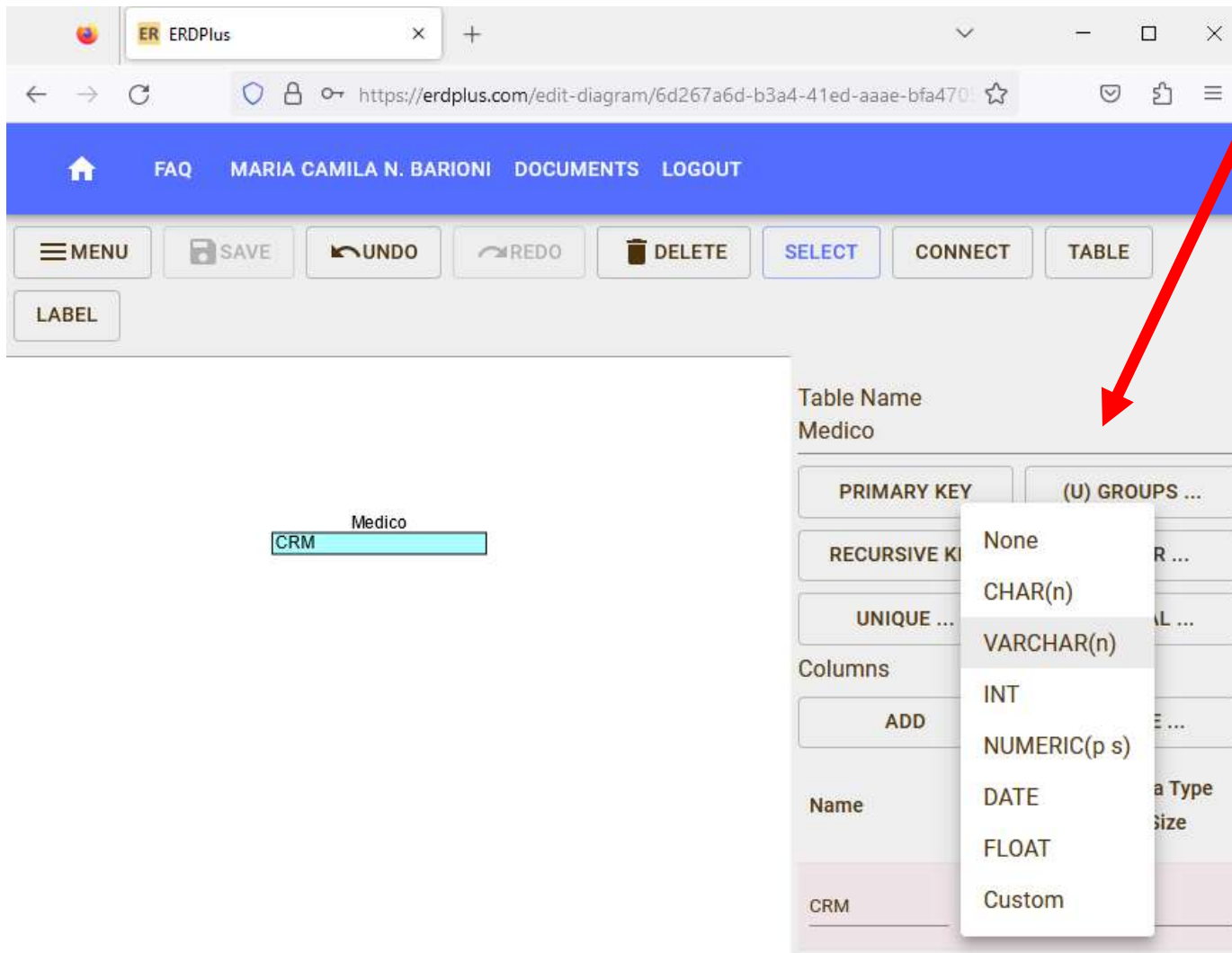
Clique para fazer login



ERD

 <https://erdplus.com/>

Propriedades das
tabelas

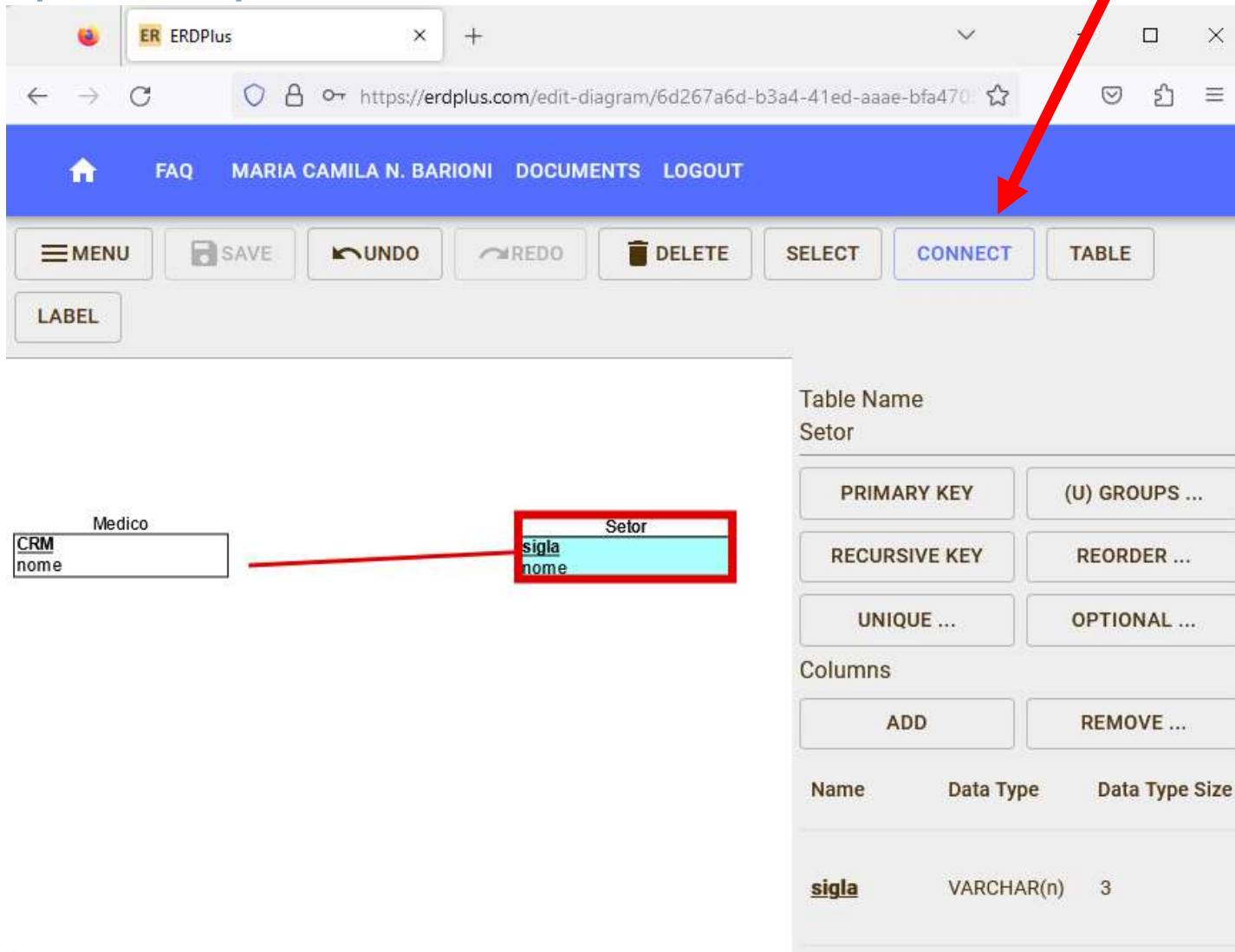


The screenshot displays the ERDPlus web application interface. At the top, there is a navigation bar with links for Home, FAQ, user profile (MARIA CAMILA N. BARIONI), DOCUMENTS, and LOGOUT. Below this is a toolbar with buttons for MENU, SAVE, UNDO, REDO, DELETE, SELECT, CONNECT, and TABLE. A 'LABEL' button is also present. The main workspace shows a diagram with a table named 'Medico' containing a column 'CRM'. To the right, the 'Table Name Medico' properties panel is open. A red arrow points from the 'TABLE' button in the toolbar to this panel. The panel includes sections for 'PRIMARY KEY', 'RECURSIVE KEY', 'UNIQUE ...', and 'Columns'. A dropdown menu is open, showing data types: None, CHAR(n), VARCHAR(n), INT, NUMERIC(p s), DATE, FLOAT, and Custom. The 'Columns' section shows a table with headers 'Name', 'Data Type', and 'Size', and a row for 'CRM'.

ERD

 <https://erdplus.com/>

Criando FKs



The screenshot shows the ERDPlus web interface. The top navigation bar includes a home icon, 'FAQ', the user name 'MARIA CAMILA N. BARIONI', 'DOCUMENTS', and 'LOGOUT'. Below this is a toolbar with buttons: 'MENU', 'SAVE', 'UNDO', 'REDO', 'DELETE', 'SELECT', 'CONNECT', and 'TABLE'. A red arrow points from the 'Criando FKs' text to the 'CONNECT' button.

In the diagram area, two entities are shown: 'Medico' with attributes 'CRM' and 'nome', and 'Setor' with attributes 'sigla' and 'nome'. A red line connects the 'nome' attribute of 'Medico' to the 'nome' attribute of 'Setor'. The 'Setor' entity is highlighted with a red border.

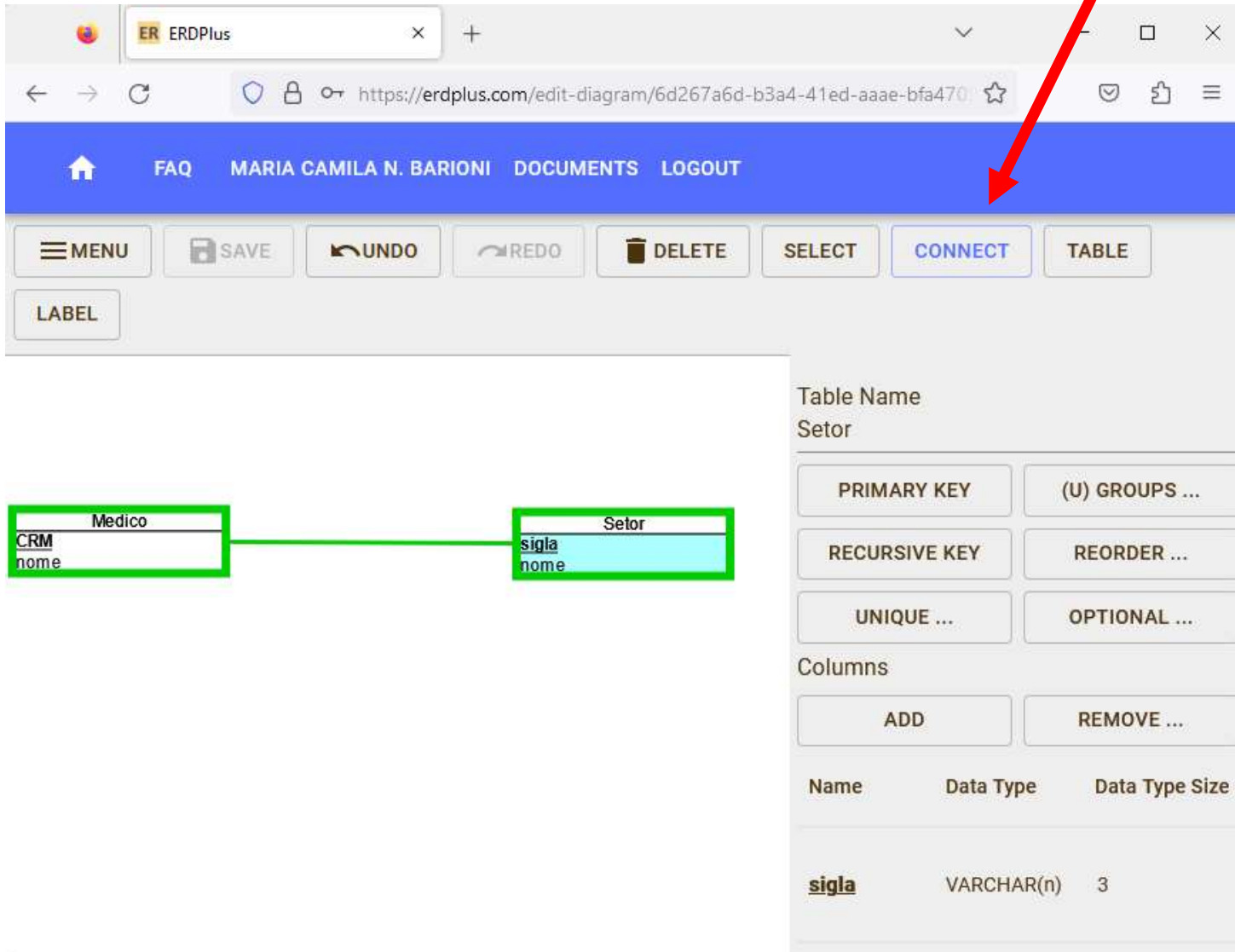
On the right, the 'Table Name Setor' configuration panel is open. It contains several options: 'PRIMARY KEY', '(U) GROUPS ...', 'RECURSIVE KEY', 'REORDER ...', 'UNIQUE ...', and 'OPTIONAL ...'. Below these are 'Columns' controls: 'ADD' and 'REMOVE ...'. A table lists the columns for 'Setor':

Name	Data Type	Data Type Size
<u>sigla</u>	VARCHAR(n)	3

ERD

 <https://erdplus.com/>

Criando FKs



The screenshot shows the ERDPlus web application interface. The browser address bar displays the URL <https://erdplus.com/edit-diagram/6d267a6d-b3a4-41ed-aaae-bfa470>. The navigation bar includes links for Home, FAQ, MARIA CAMILA N. BARIONI, DOCUMENTS, and LOGOUT. The main toolbar contains buttons for MENU, SAVE, UNDO, REDO, DELETE, SELECT, CONNECT, and TABLE. A LABEL button is also present.

The diagram shows two tables: **Medico** and **Setor**. The **Medico** table has attributes **CRM** and **nome**. The **Setor** table has attributes **sigla** and **nome**. A green line connects the **Medico** table to the **Setor** table, indicating a relationship.

The configuration panel on the right side of the interface includes the following sections:

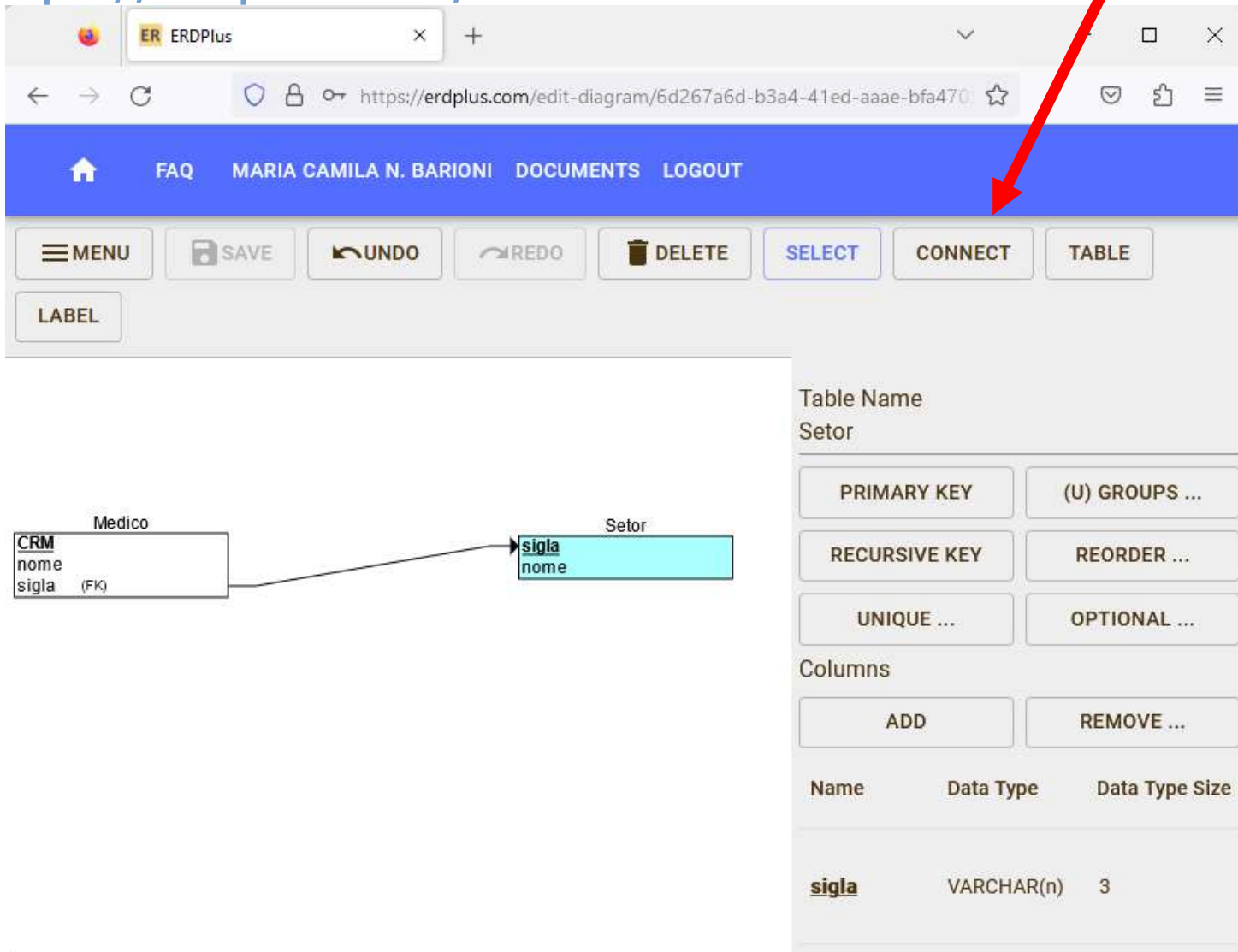
- Table Name**: Setor
- PRIMARY KEY**: (U) GROUPS ...
- RECURSIVE KEY**: REORDER ...
- UNIQUE ...**: OPTIONAL ...
- Columns**: ADD, REMOVE ...
- Table Structure**:

Name	Data Type	Data Type Size
sigla	VARCHAR(n)	3

ERD

 <https://erdplus.com/>

Criando FKs



The screenshot displays the ERDPlus web application. The top navigation bar includes links for Home, FAQ, a user profile (MARIA CAMILA N. BARIONI), Documents, and Logout. Below this is a toolbar with buttons for Menu, Save, Undo, Redo, Delete, Select, Connect, and Table. A red arrow points from the 'Criando FKs' text to the 'CONNECT' button.

The main area shows an Entity-Relationship Diagram (ERD) with two entities: 'Medico' and 'Setor'. The 'Medico' entity has attributes 'nome' and 'sigla (FK)'. The 'Setor' entity has attributes 'sigla' and 'nome'. A line connects the 'sigla (FK)' attribute of 'Medico' to the 'sigla' attribute of 'Setor', indicating a foreign key relationship.

On the right side, a configuration panel for the 'Setor' table is visible. It includes options for 'PRIMARY KEY', '(U) GROUPS ...', 'RECURSIVE KEY', 'REORDER ...', 'UNIQUE ...', and 'OPTIONAL ...'. Below these are 'Columns' management buttons: 'ADD' and 'REMOVE ...'. A table lists the columns for 'Setor':

Name	Data Type	Data Type Size
<u>sigla</u>	VARCHAR(n)	3

Atividade Proposta

1. Mapeie para o modelo relacional o modelo entidade-relacionamento do exercício “Cadeia de farmácias a)”
 - Em papel, usando a notação discutida em aula. Tire uma foto para enviar essa atividade.
2. Utilize a ferramenta para construir o modelo relacional obtido em 1.

Detalhes da entrega

- Para entregar, gere um documento (.doc ou .pdf) contendo a imagem da resolução 1 e a imagem da resolução 2
- Data da entrega: 30/08 até o final da aula

a)

