



# Atividade – Mapeamento para o Relacional

Profa. Maria Camila Nardini Barioni

[camila.barioni@ufu.br](mailto:camila.barioni@ufu.br)

Bloco B - sala 1B137

2º semestre de 2023

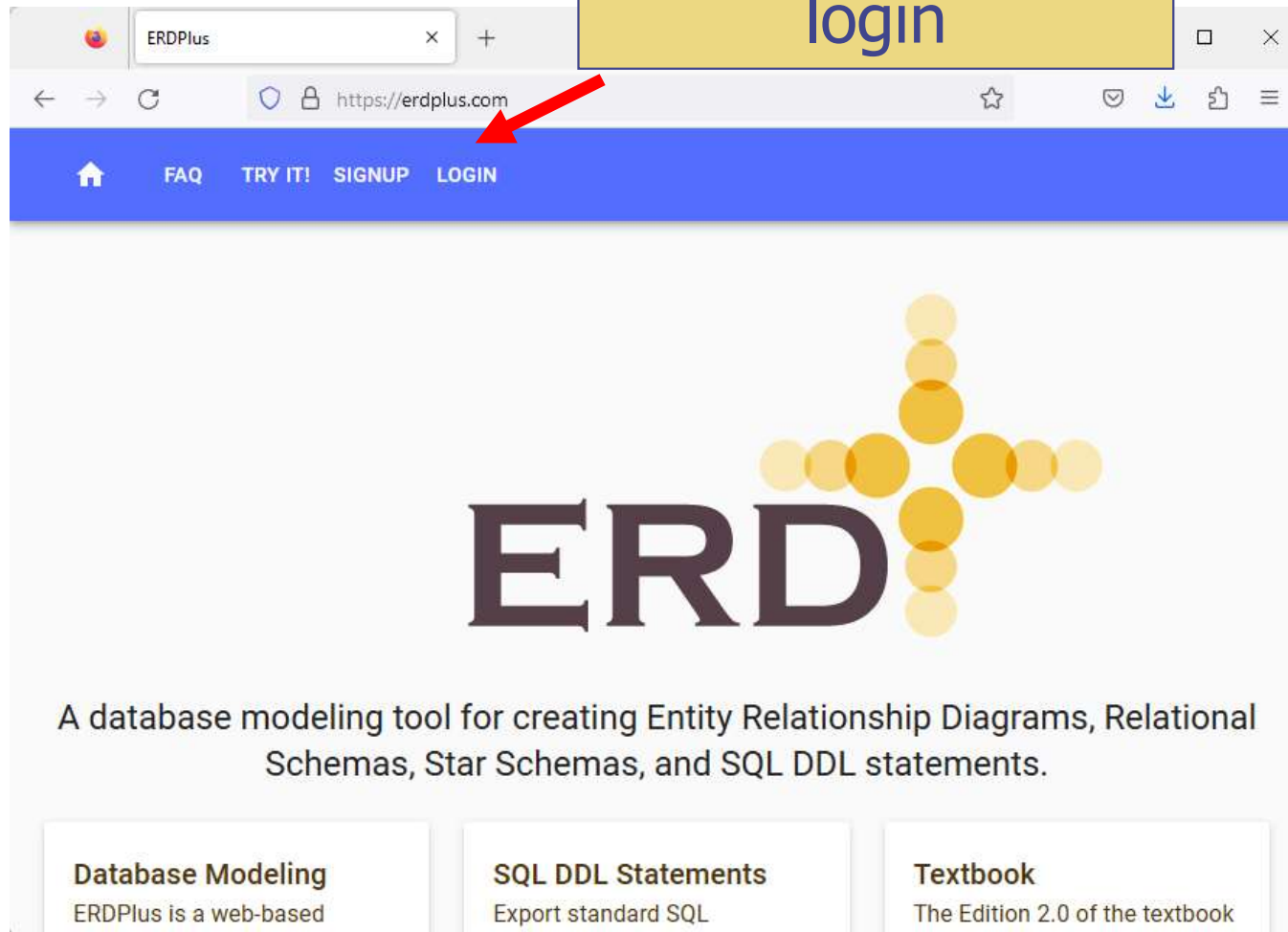
# Roteiro

- ◆ 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](https://www.youtube.com/watch?v=o5L2HUb_mqQ)

# ERD

◆ <https://erdplus.com/>

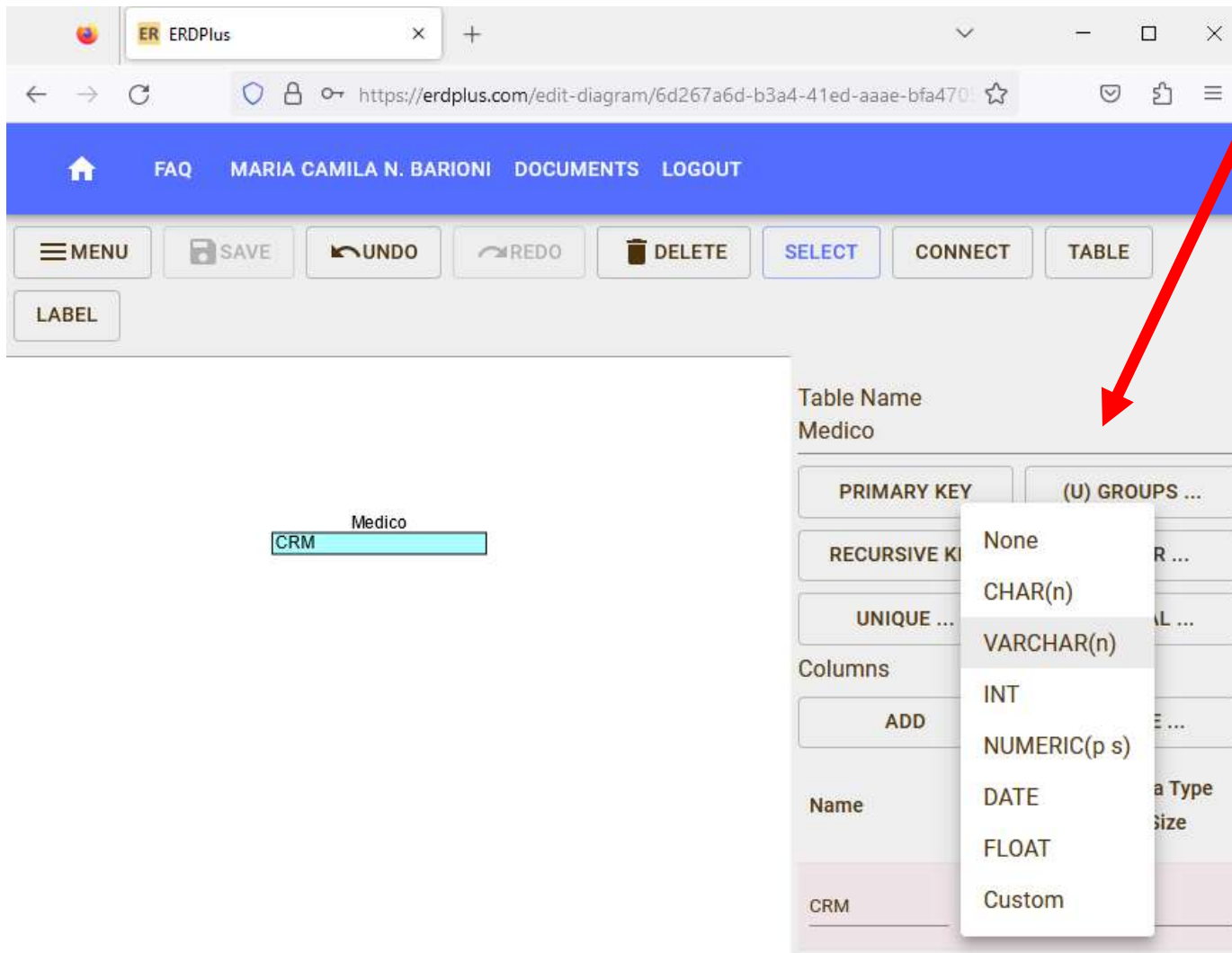
Clique para fazer login



# ERD

 <https://erdplus.com/>

Propriedades das  
tabelas



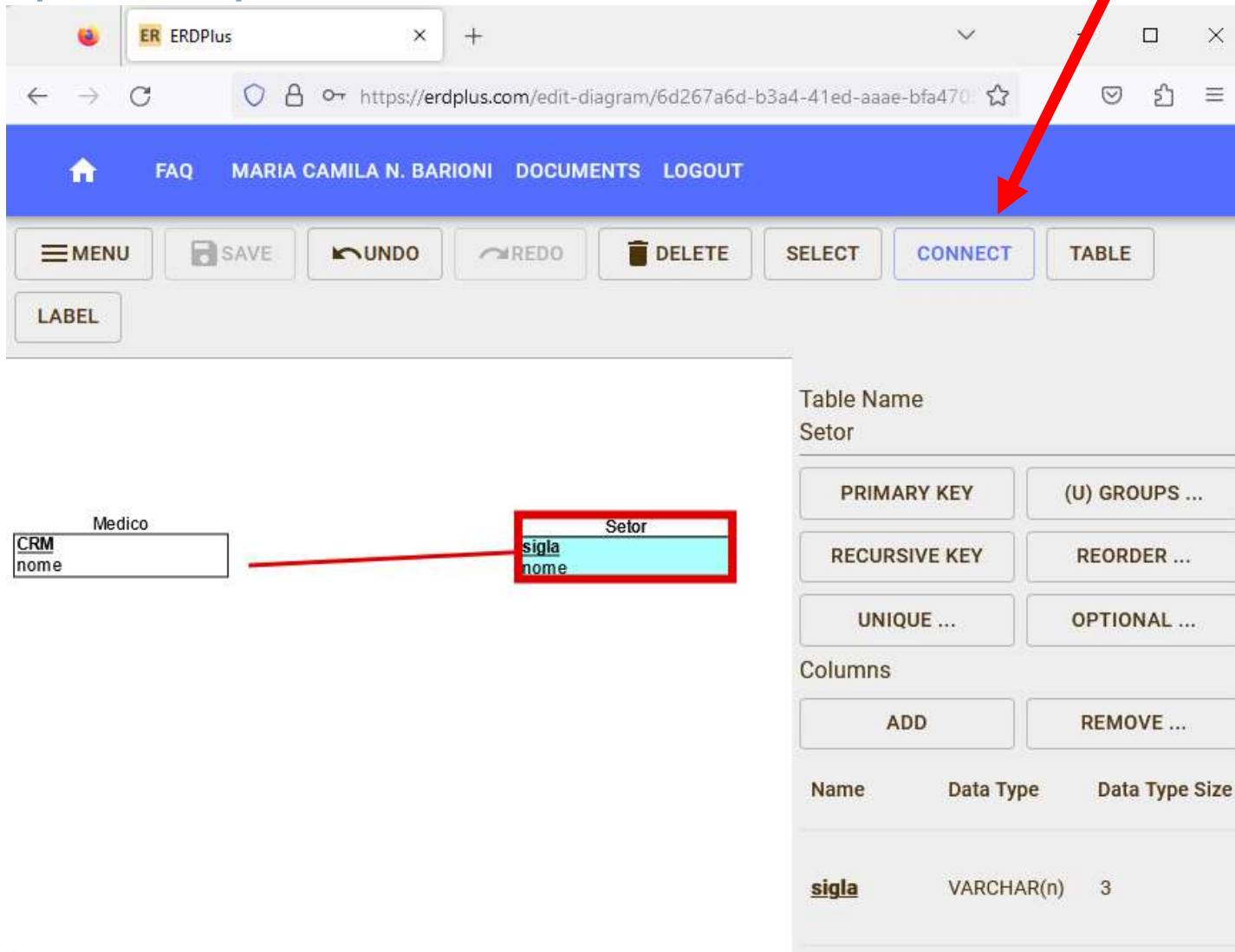
The screenshot displays the ERDPlus web application interface. At the top, there is a navigation bar with links for Home, FAQ, user profile (MARIA CAMILA N. BARIONI), DOCUMENTS, and LOGOUT. Below this is a toolbar with buttons for MENU, SAVE, UNDO, REDO, DELETE, SELECT, CONNECT, and TABLE. A 'LABEL' 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 over the 'Columns' section, listing data types: None, CHAR(n), VARCHAR(n), INT, NUMERIC(p s), DATE, FLOAT, and Custom. The 'Columns' table below the dropdown has headers 'Name', 'Data Type', and 'Size', with one row visible for 'CRM'.

| Name | Data Type | Size |
|------|-----------|------|
| 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 tables 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' table is highlighted with a red border.

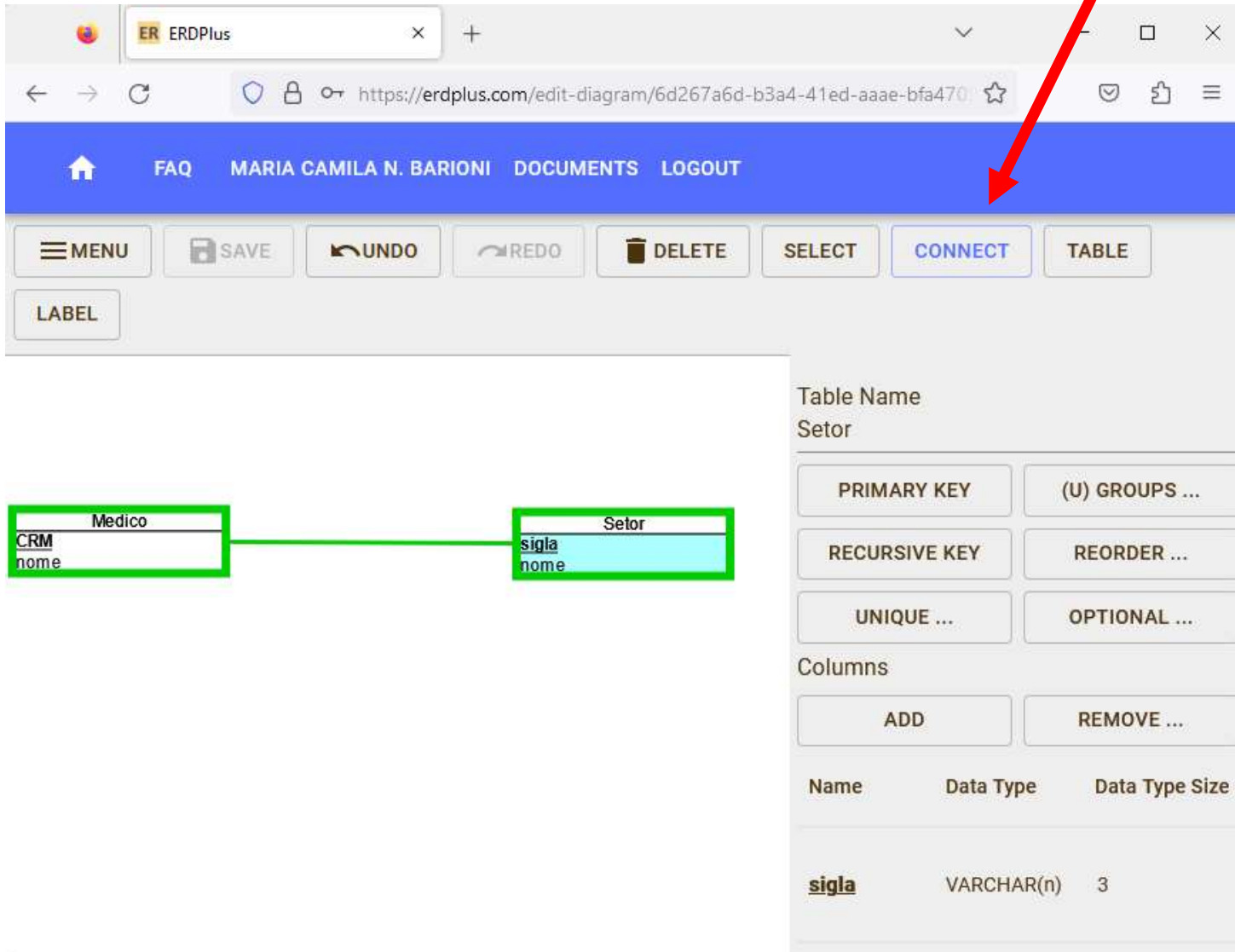
On the right, a configuration panel for the 'Setor' table is visible. It includes options for 'PRIMARY KEY', 'RECURSIVE KEY', 'UNIQUE ...', and '(U) GROUPS ...'. Below these are 'REORDER ...' and 'OPTIONAL ...' buttons. The 'Columns' section has 'ADD' and 'REMOVE ...' buttons. A table lists the columns:

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

# ERD

 <https://erdplus.com/>

Criando FKs



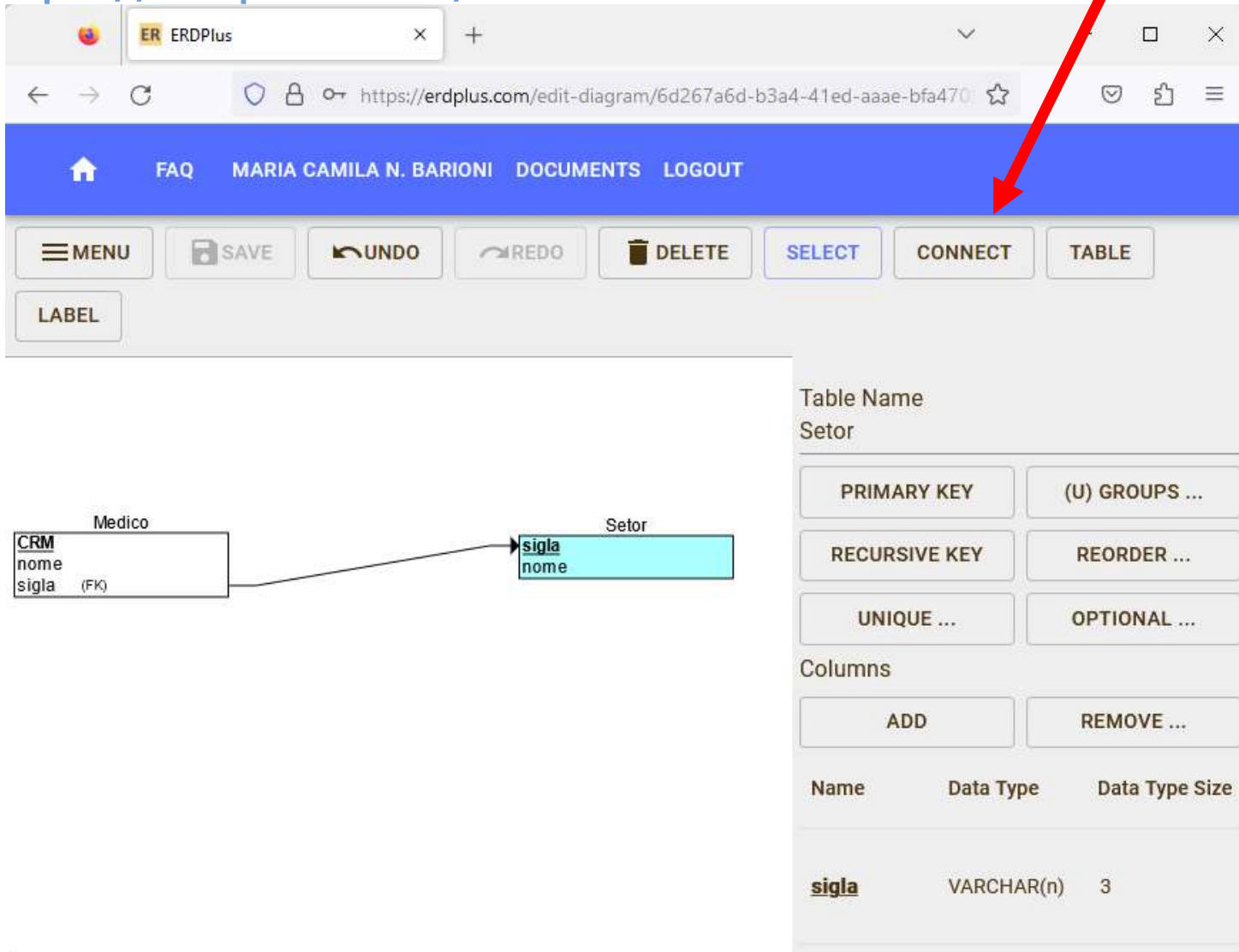
The screenshot shows the ERDPlus web application interface. At the top, there is a navigation bar with links for Home, FAQ, Maria Camila N. Barioni, Documents, and Logout. Below this is a toolbar with buttons for Menu, Save, Undo, Redo, Delete, Select, Connect, and Table. The main area displays an Entity-Relationship Diagram (ERD) with two entities: 'Medico' and 'Setor'. The 'Medico' entity has attributes 'CRM' and 'nome'. The 'Setor' entity has attributes 'sigla' and 'nome'. A line connects the two entities, indicating a relationship. On the right side, there is a configuration panel for the 'Setor' table. It includes options for 'PRIMARY KEY', 'RECURSIVE KEY', 'UNIQUE ...', and '(U) GROUPS ...'. There are also buttons for 'REORDER ...' and 'OPTIONAL ...'. Below these options, there is a section for 'Columns' with 'ADD' and 'REMOVE ...' buttons. A table lists the columns for the 'Setor' table:

| Name         | Data Type  | Data Type Size |
|--------------|------------|----------------|
| <u>sigla</u> | 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, 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 ER diagram with two tables: 'Medico' and 'Setor'. The 'Medico' table has attributes 'nome' and 'sigla (FK)'. The 'Setor' table has attributes 'sigla' and 'nome'. A line connects the 'sigla (FK)' attribute of 'Medico' to the 'sigla' attribute of 'Setor'.

On the right, a configuration panel for the 'Setor' table is visible. It includes options for PRIMARY KEY, (U) GROUPS ..., RECURSIVE KEY, REORDER ..., UNIQUE ..., and OPTIONAL ... Under the 'Columns' section, there are buttons for ADD and REMOVE ... Below this is a table listing the columns:

| Name         | Data Type  | Data Type Size |
|--------------|------------|----------------|
| <b>sigla</b> | VARCHAR(n) | 3              |

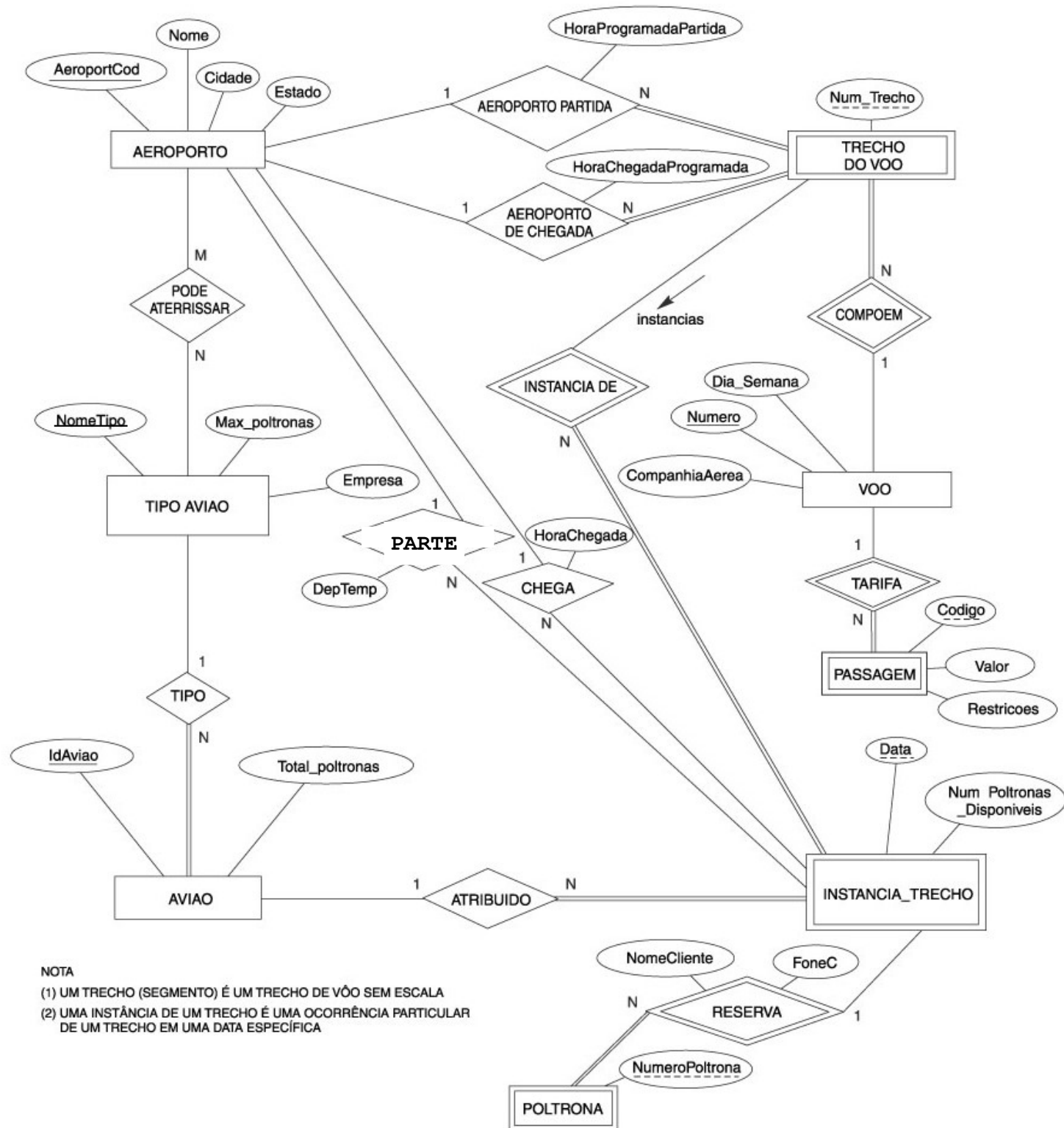
# Atividade Proposta

1. Mapeie para o modelo relacional o modelo entidade-relacionamento do diagrama apresentado
  - 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: 06/09 até o final da aula



NOTA

- (1) UM TRECHO (SEGMENTO) É UM TRECHO DE VÔO SEM ESCALA
- (2) UMA INSTÂNCIA DE UM TRECHO É UMA OCORRÊNCIA PARTICULAR DE UM TRECHO EM UMA DATA ESPECÍFICA