

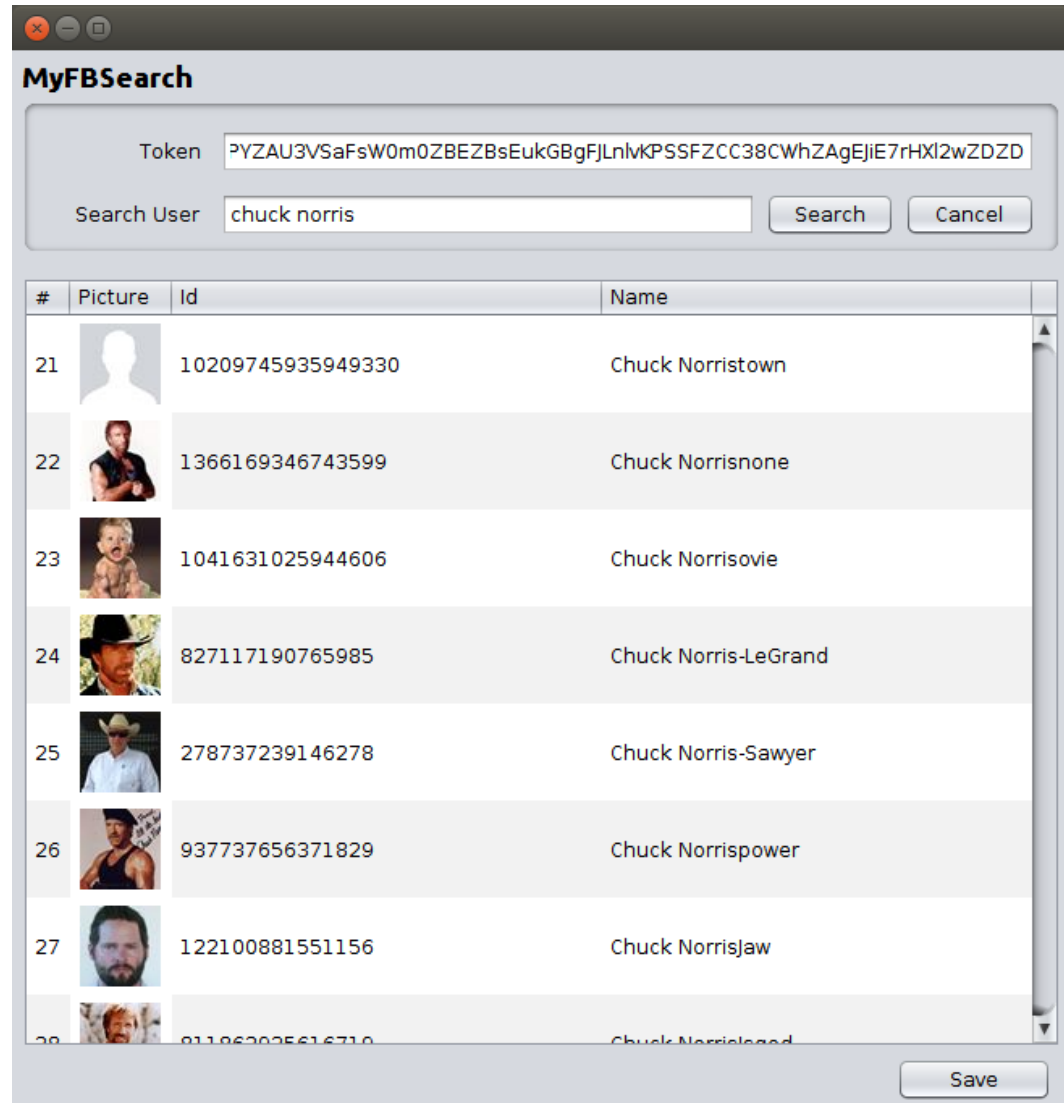
# **T9**

## **MyFBSearch**

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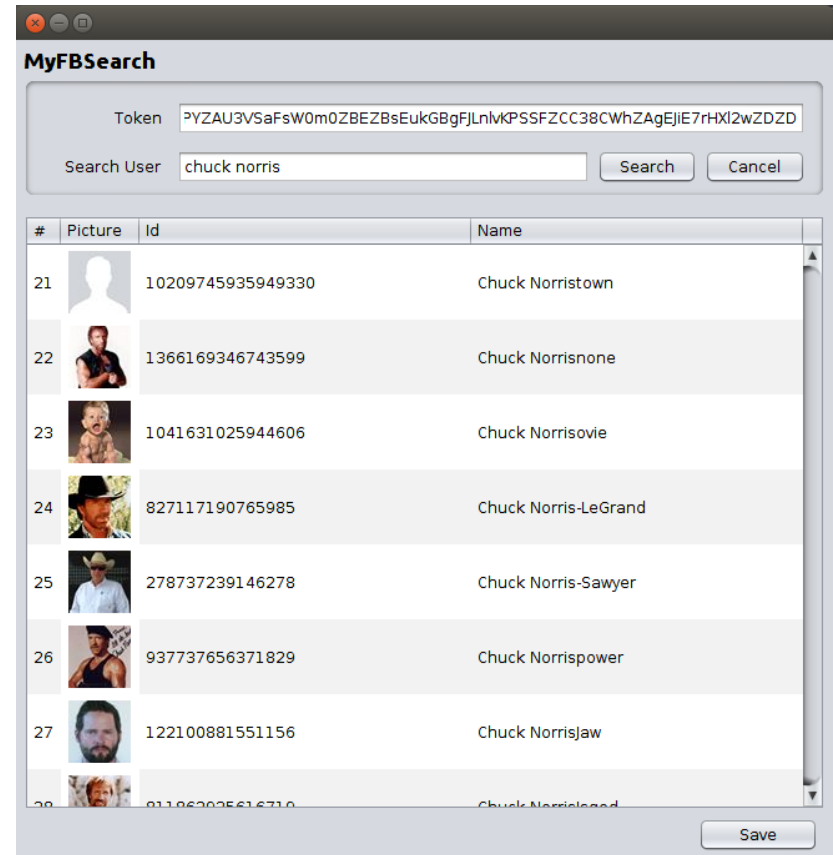
# MyFBSearch

- Buscador de fotos de perfis no Facebook

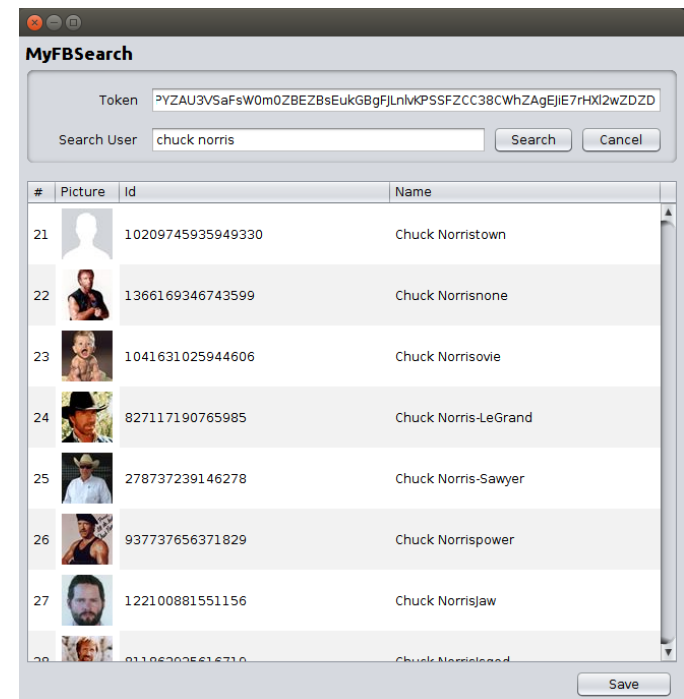
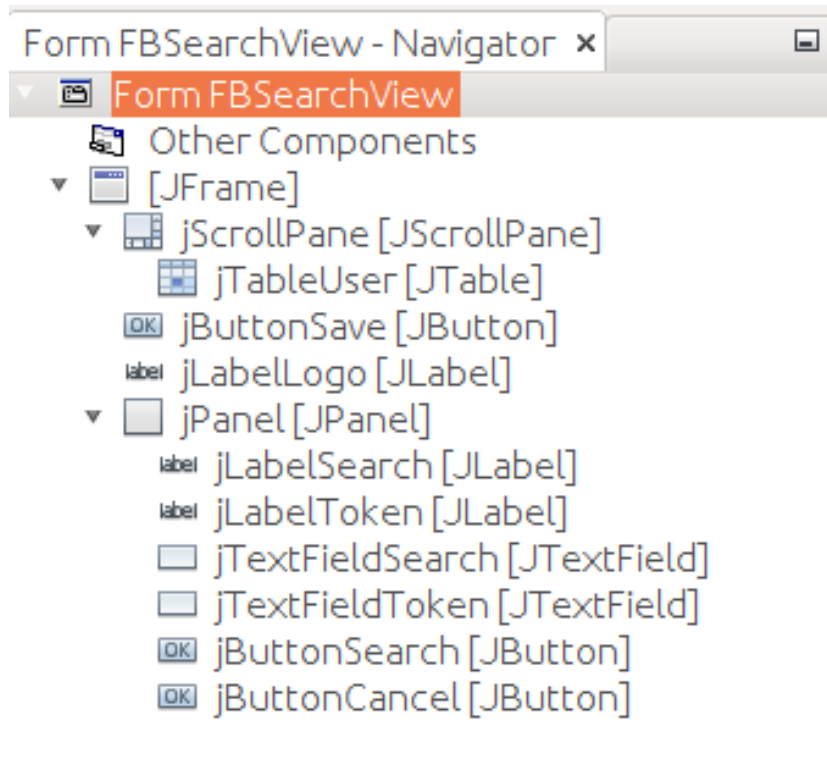


# MyFBSearch: features

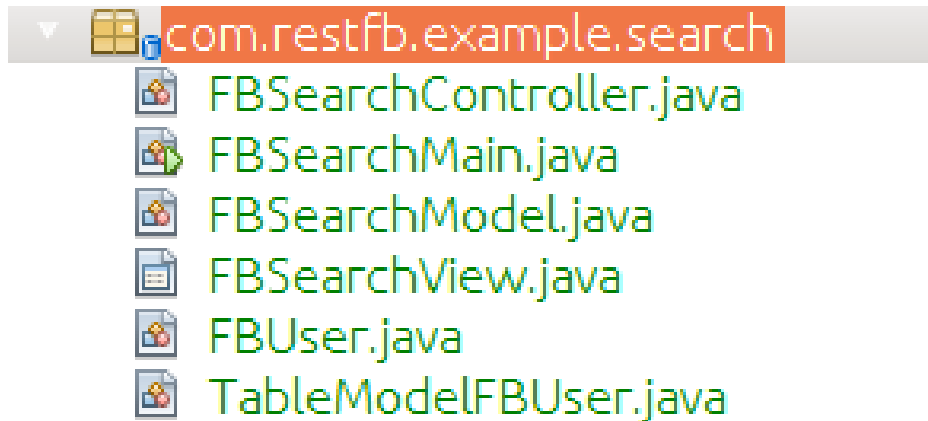
- Faz busca de usuário, dado token e nome
- Permite salvar fotos em lote
- Paradigmas (Java)
  - GUI e MVC
  - Graph API
  - Comunicação (URL)
  - Classes, herança, polimorfismo, threads, etc.



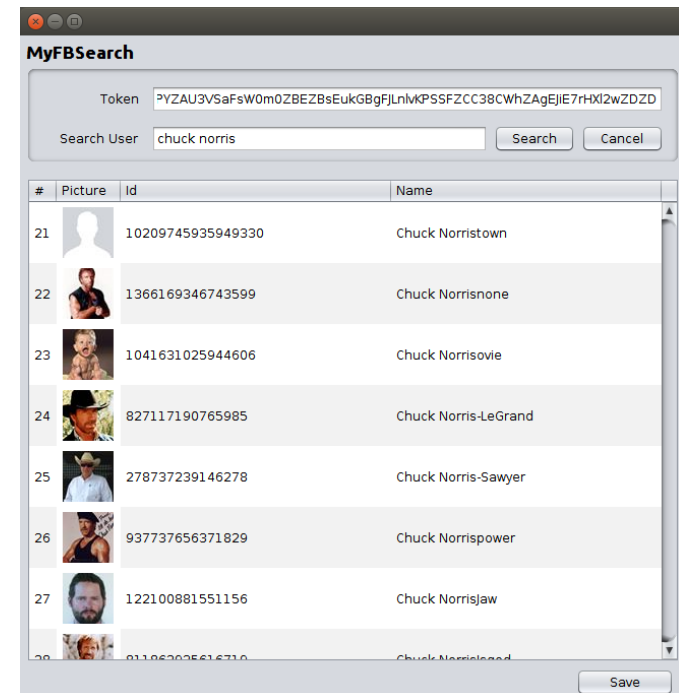
# Paradigmas: GUI



# Paradigmas: GUI e MVC



MVC (Model-View-Controller):  
organização do código



# Graph API: RestFB

The screenshot shows the Graph API Explorer interface. At the top, it says "Graph API Explorer" and "Application: [?] Graph API Explorer". Below that, the "Access Token" field contains a long alphanumeric string, and there is a "Get Token" button. The "Graph API" tab is selected, and the "FQL Query" field is empty. The "URL" field contains the query: `GET → /v2.6 / 610099282491709?fields=id,name,picture`. A "Submit" button is to the right. Below the URL field, there is a link to "Learn more about the Graph API syntax". On the left, under "Node: 610099282491709", there is a search bar labeled "Search for a field". On the right, the JSON response is displayed:

```
{
  "id": "610099282491709",
  "name": "Chuck Norrisica",
  "picture": {
    "data": {
      "is_silhouette": false,
      "url": "https://fbcdn-profile-a.akamaihd.net/hprofile-ak-ash2/v/t1.0-1/c28.28.345.345/s50x50/374"
    }
  }
}
```

- RestFB: acesso à Graph API em Java
- Exemplos disponíveis em:  
<https://github.com/restfb/restfb-examples>
- No Netbeans: Team -> Remote -> Clone
- GraphReaderExampe.java (obter token)

# Model

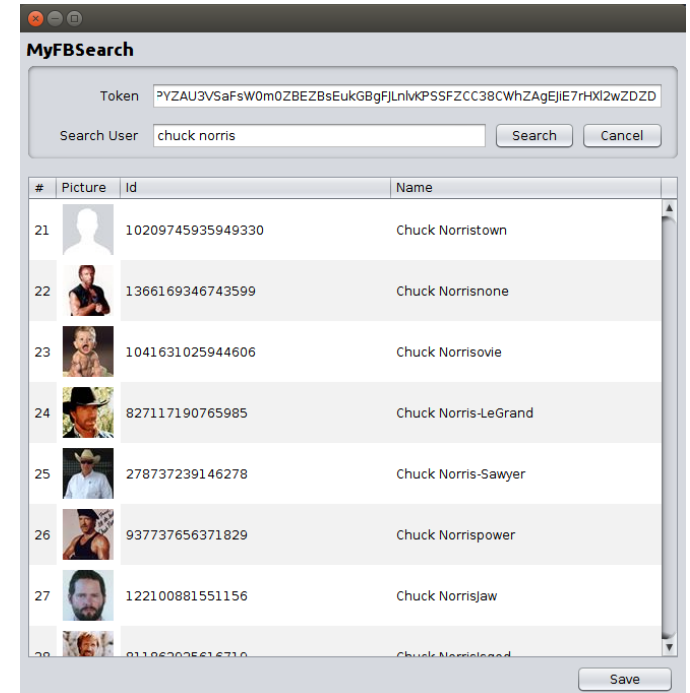
- Dados de um usuário
- Lista de usuários resultante de uma busca
- Lógica e parâmetros de busca

(Classes, objetos, encapsulamento, ...)

Totalmente independente de View  
(GUI, command-line, ...)

# View (GUI)

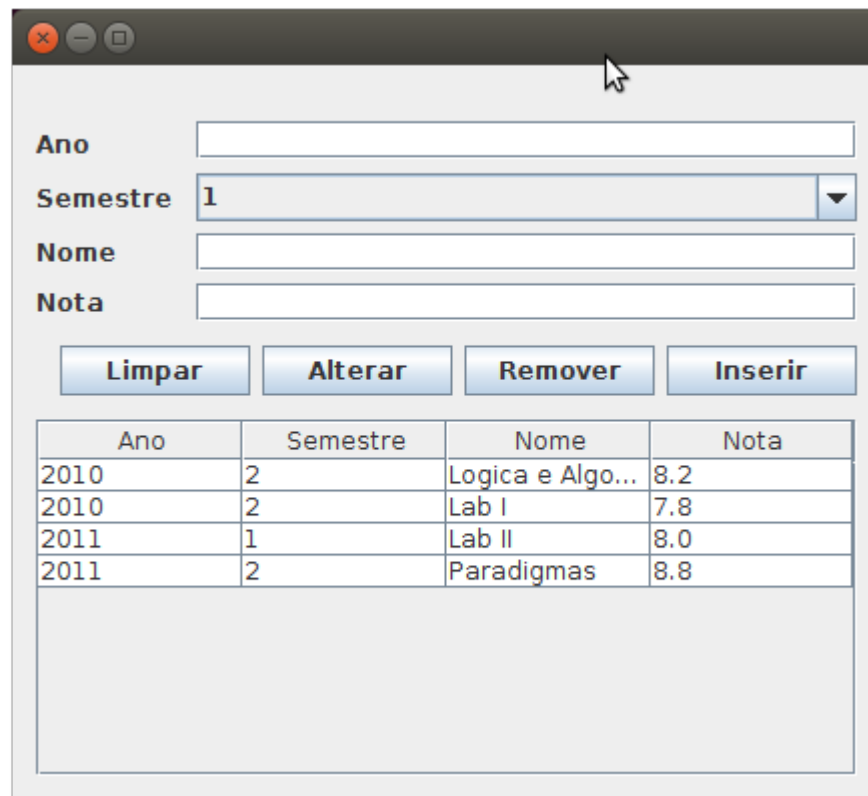
- JTable
- Ver exemplo DisciplinaGUI (MVC) no GitHub
- TableModelFBUser extends AbstractTableModel
- Como mostrar fotos na tabela? (ver dicas na página do trabalho)





# Model-View-Controller

- Ver exemplo DisciplinaGUI

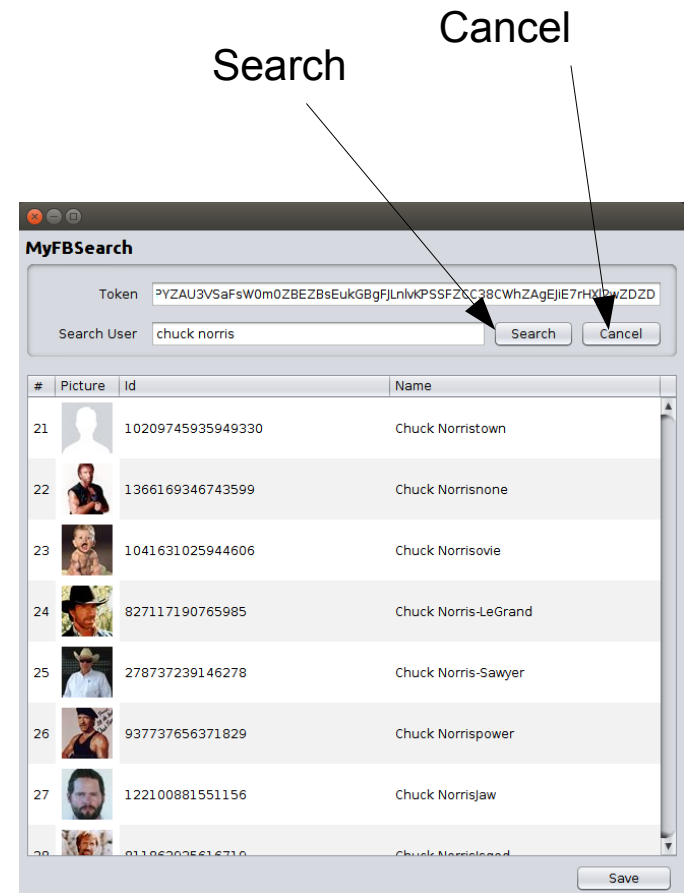


The screenshot shows a Java Swing window with a title bar containing standard OS controls (close, maximize, minimize). The window contains a form with four labeled text fields: 'Ano', 'Semestre', 'Nome', and 'Nota'. The 'Semestre' field is a dropdown menu currently showing '1'. Below the form are four buttons: 'Limpar', 'Alterar', 'Remover', and 'Inserir'. At the bottom of the window is a table with four columns: 'Ano', 'Semestre', 'Nome', and 'Nota'. The table contains four rows of data. Below the table is a large empty rectangular area.

Ano	Semestre	Nome	Nota
2010	2	Logica e Algo...	8.2
2010	2	Lab I	7.8
2011	1	Lab II	8.0
2011	2	Paradigmas	8.8

# Thread de busca

- Botão [Search] faz start
- Botão [Cancel] interrompe
- Sem isso, interface não responde quando a busca demora



# Dicas

- Desenvolvimento incremental
- Graph API (RestFB)
- GUI simples
- GUI com tabela (M-V)
- Full MVC
- Thread

