

Prolog lab 11

Botão add_item – ele transfere o ‘produto’, ‘qtde’, e ‘preco’ para o ‘assert_item’ que transforma a qtd e o preco em predicados e insere no banco de dados do prolog (assert) os 3 predicados, depois ele limpa os predicados para novas escritas.

Botão fechapedido – transfere o nome para o ‘assert_pedido’ que cria uma lista com os itens e transfere eles pro baco de dados do prolog (findall) na forma pedidos (Nome, itens), limpa o nome e ‘totaliza’ com o predicado nome.

Problema: Ele não salva o nome dos pedidos, salvando somente os itens, pois ele limpa o Nome salvo.

Para resolver tal problema, basta inverter algumas linhas:

```
“send(D, append(button(fechaPedido,and(message(@prolog, assert_pedido, Nome?selection),  
message(@prolog, totaliza, Nome?selection),  
message(Nome, clear),  
message(Nome, keyboard_focus, true))))),”
```

Agenda Simples

The image shows a screenshot of a Prolog IDE with two windows. The left window, titled 'SWI-Prolog (AMD64, Multi-threaded, version 7.6.4)', displays a series of compilation errors. The right window, titled 'prologlab11.pl [modified]', contains the Prolog code for a simple agenda system.

Left Window (SWI-Prolog):

```
?-
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/4
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
% c:/users/arthur/documents/prolog/prologlab11 compiled 0.00 sec. 0 clauses
?- agenda
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/4
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: Undefined procedure: guardar_agenda/4
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: In:
ERROR:   [7] throw(error(existence_error(procedure,...),context(.....1210)))
?- agenda.
true.
?-
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: Foreign predicate system:free_variable_set/3 did not clear exception: error(existence_error(procedure,guardar_agenda/5),context(system:$_call_prolog/0_1964))
% c:/users/arthur/documents/prolog/prologlab11 compiled 0.00 sec. 0 clauses
?- agenda
ERROR: '$_call_prolog'/0: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: Undefined procedure: guardar_agenda/5
ERROR: However, there are definitions for:
ERROR:   guardar_agenda/2
ERROR: In:
ERROR:   [7] throw(error(existence_error(procedure,...),context(.....2860)))
?-
```

Right Window (prologlab11.pl):

```
prologlab11.pl [modified]
File Edit Browse Compile Prolog Pce Help

prologlab11.pl [modified]
agenda:-
    new(J, dialog('Agenda')),
    send(J, append, new(Nome, text_item('Digite seu nome'))),
    send(J, append, new(Telefone, text_item('Digite seu telefone'))),
    send(Telefone, type, int),
    send(J, append(button(salvar, and(message(@prolog, guardar_agenda,
        Nome?selection,
        Telefone?selection,
        message(Nome, clear),
        message(Telefone, clear),
        message(Nome, keyboard_focus, true))
    ))),
    send(J, append(button(cancel, message(J, destroy)))),
    send(J, default_button(salvar)),
    send(J, open).

guardar_agenda(Nome, Telefone):-
    findall(tel, tel, Tel)
    assert(lista(Nome, Tel)).
```

Line: 19