```
genevalmag::Symbol
    symb_name
    symb_type

    symb attrs

    symb_id
    + Symbol()
    + Symbol()
    + Symbol()
    + ~Symbol()
    + operator=()
    + get_name()
    + get_type()
    + get_id()
+ get_attrs()
    + get_attribute()
    + set_name()
    + set_type()
    + set_id()
    + add_attr()
    + is_non_terminal()
    + to_string()
    + equals()
    + key()

    copy()

    destroy()
               ag_initial_symb
 genevalmag::Attr_grammar

    ag_sort

    ag_func

- ag attr
- ag_symb_terminals
ag_symb_non_terminals

    ag_rule

- count eqs
                                        genevalmag::Semantics_checks

    ag_initial_symb

                                      - precedence_level
+ Attr_grammar()
                                      - index_syntax_order
+ ~Attr_grammar()
+ add_sort()
                                      + Semantics_checks()
                                      + ~Semantics_checks()
+ add_function()
+ add_attribute()
                                      + get_precedence_level()
+ add_symbol()
                                      + get_index_syntax_order()
+ add_rule()
                                      + increment_precedence_level()
+ return_sort()
                                      + decrement_precedence_level()
                                      + increment_index_syntax_order()
+ get_sorts()
+ get_function()
                                      + reset_semantic_context()
                                      + correct_precedence()
+ get_functions()
+ get_symbol()
                                       + correct_associativity()
+ get_rules()
                                      + check_all_defined_non_terminal()
                                      + check_reachability()
+ get_rule()
+ get_non_terminal_symbols()
                                       + check_well_defined_AG()
+ get_initial_symb()
                                       correct_subtree()
+ get_rules_with_left_symbol()
+ get_index_eq_with_context()
+ get_eq()
+ get_eq_l_value()
+ get_count_eqs()
+ to_string()
load_attributes()
- defined_rule()
                                 attr_grammar sem_check
                                 genevalmag::Parser_AG
                                 - attr_grammar

    sem_check

                                 + Parser_AG()
                                 + ~Parser_AG()
                                 + get_attr_grammar()
                                 + parse_grammar()
                                  + save_grammar_file()
```