Hamiltonian struct definition

```julia
mutable struct Hamiltonian
    pw::PWGrid
    potentials::Potentials
    energies::Energies
    rhoe::Array{Float64,2}
    electrons::Electrons
    atoms::Atoms
    sym_info::SymmetryInfo
    rhoe_symmetrizer::RhoeSymmetrizer
    pspots::Array{PsPot_GTH,1}
    pspotNL::PsPotNL
    xcfunc::String
    ik::Int64
    ispin::Int64
end
```