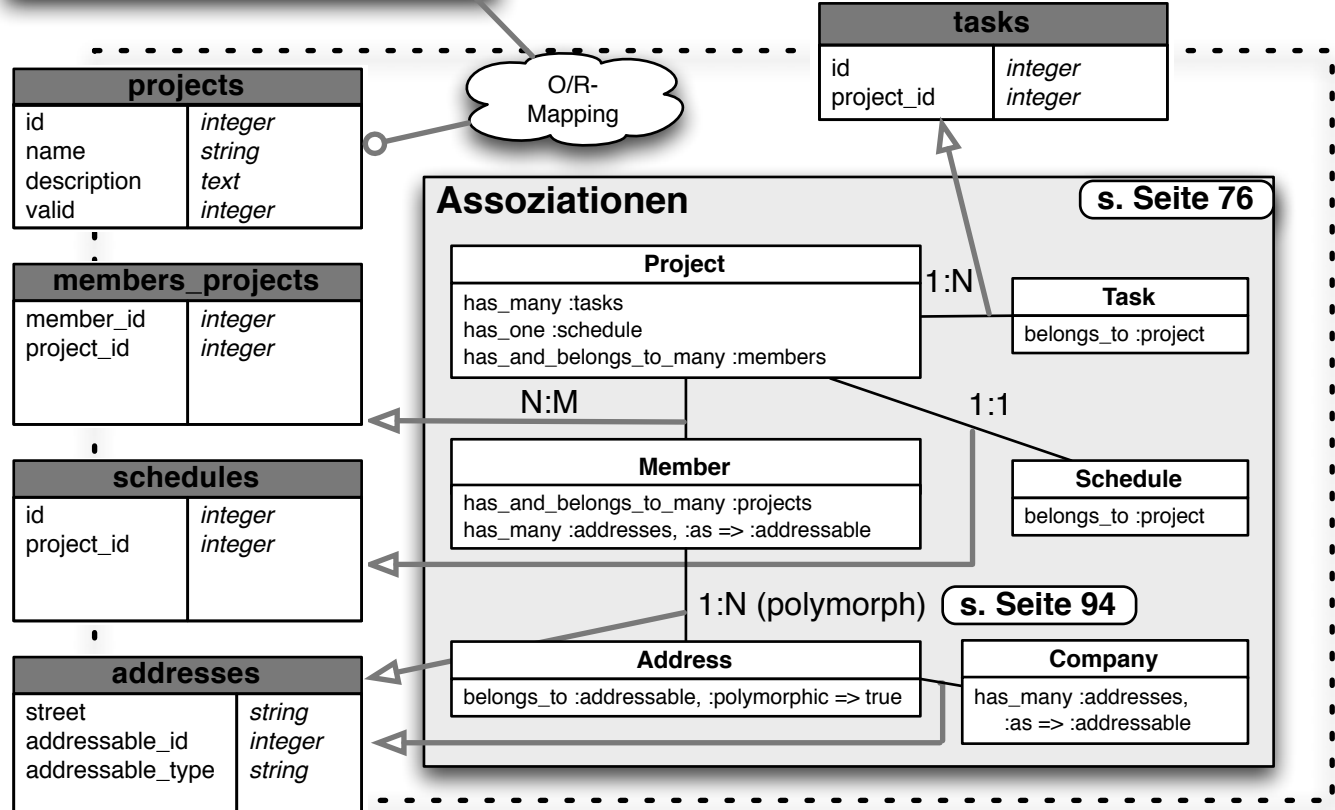
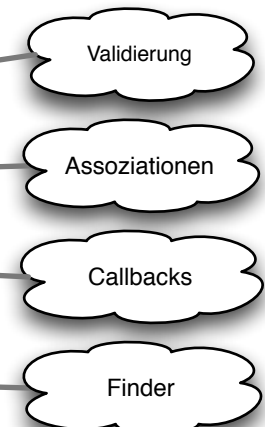


**Modelle** s. Seite 59

```
class Project < ActiveRecord::Base
  validates_presence_of :name
  has_many :tasks

  def after_save
    send_mail
  end

  def self.all_valid
    find(:all, :conditions => "valid = 1")
  end
end
```



**CRUD**

<b>Erzeugung</b> <span style="float: right;">s. Seite 66</span> new create	<b>Laden / Finden / Ordnen</b> <span style="float: right;">s. Seite 70</span> Project.find(1) Project.find(:first) Project.find(:all) Project.find(:all, :limit => 5) Project.find(:all, :conditions => "name = 'Rails'") Project.find(:all, :order => "name") Project.find_by_sql("select * from projects") Project.find_by_name("Web 2.0")	<b>Aktualisieren</b> <span style="float: right;">s. Seite 67</span> save save! update_attribute update_attributes update(id, {}) update_all	<b>Löschen</b> <span style="float: right;">s. Seite 69</span> delete delete_all destroy destroy_all
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<b>Validierung</b> <span style="float: right;">s. Seite 110</span> validates_presence_of :name validates_acceptance_of :terms validates_associated :tasks validates_confirmation_of :password validates_exclusion_of :name, :in => ["raff"] validates_format_of :name, :with => /.../ validates_inclusion_of :gender, :in => ["w", "m"] validates_length_of :name, :minimum => 4 validates_each :name do  rec, attr, vall ... end validates_uniqueness_of :name validates_numericality_of :age	<b>Metadaten</b> <span style="float: right;">s. Seite 75</span> Project.columns Project.content_columns Project.column_names	<b>Vererbung</b> <span style="float: right;">s. Seite 100</span> Member Manager members id type int varchar
---	---	---

**Callbacks** s. Seite 115

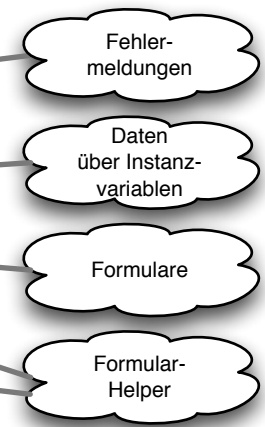
<b>Neues Objekt: o.save</b> before_validation before_validation_on_create after_validation after_validation_on_create save before_save before_create after_create after_save	<b>Vorhandenes Objekt: o.save</b> before_validation before_validation_on_update after_validation after_validation_on_update save before_save before_update after_update after_save	<b>o.destroy</b> before_destroy destroy after_destroy
---	---	--

**Transaktionen** s. Seite 103

```
class Project < ActiveRecord::Base
  def move_task(task, project)
    transaction(self, project) do
      self.tasks.delete task
      project.tasks << task
      project.save!
    end
  end
end
```

**Views** s. Seite 153

```
<html>
  <%= error_messages_for("project") %>
  Projekt: <%= @project.name %>
  <%= start_form_tag :action => "update", :id => @project %>
  <%= text_area :project, :description %>
  <%= collection_select(:project, :lead_id, Member.find(:all), :id, :surname %>
  <%= submit_tag "Speichern" %>
  <%= end_form_tag %>
  <%= link_to "Zurück", :action => 'back' %>
</html>
```



**Controller** s. Seite 121

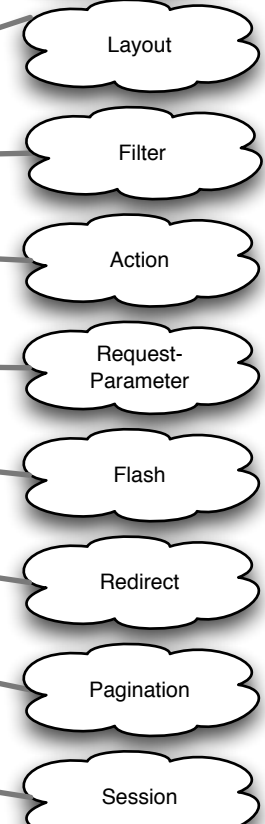
```
class ProjectController < ActionController::Base
  layout "ontrack"
  before_filter :authenticate

  def edit_project
    @project = Project.find(params[:id])
    render :action => "edit_project"
  end

  def update
    @project = Project.update(params[:project])
    flash[:nachricht] = "Projekt erzeugt"
    redirect_to :action => "show", :id => @project
  end

  def list_projects
    @project_pages, @projects = paginate(:projects, :order_by => "start", :per_page => 20)
  end

  def authenticate
    redirect_to :action => "login" unless session[:user]
  end
end
```



<b>Formulare</b> <span style="float: right;">s. Seite 157</span> <%= start_form_tag :action => "update", :id => @project %> <%= text_field(:project, :name) %> <%= end_form_tag %>  <% form_for :project, @project, :url => { :action => :update } do  f  %> <%= f.text_field :name %> <% end %>	<b>Partials</b> <span style="float: right;">s. Seite 170</span> <b>View</b> <%= render :partial => "task", :object => @task%> <%= render :partial => "task", :collection => @tasks%>  <b>Controller</b> render :partial => "task", :object => @task render :partial => "task", :collection => @tasks	<b>Layout</b> <span style="float: right;">s. Seite 169</span> <html> <!-- header --> ... <!-- content --> <%= @content_for_layout %> ... <!-- footer --> </html>
---	---	--

**Formular-Helfer** s. Seite 158

<b>Mit Modellbezug</b> <span style="float: right;">s. Seite 158</span> collection_select(:task, :member_id, Member.find(:all), :id, :surname) select(:project, :lead_id) date_select(:project, :start_date) text_field(:project, :name) date_select(:project, :start_date) text_area(:project, :description) checkbox(:project, :reviewed) file_field(:project, :report) hidden_field(:project, :last_edit)	<b>Ohne Modellbezug</b> <span style="float: right;">s. Seite 160</span> text_field_tag password_field_tag radio_button_tag select_tag options_for_select start_form_tag end_form_tag submit_tag	<b>Navigation</b> <span style="float: right;">s. Seite 165</span> link_to url_for button_to mail_to
--	---	---

<b>Filter</b> <span style="float: right;">s. Seite 137</span> <b>Methoden</b> before_filter after_filter around_filter  <b>Klassen</b> class EncryptFilter def self.filter(controller) ... end end	<b>Render</b> render :action => "list" <span style="float: right;">s. Seite 124</span>  render :template => "task/list" <span style="float: right;">s. Seite 125</span>  render :action => :update do  page  page.insert_html :bottom, "list", :partial => "task" end <span style="float: right;">s. Seite 261</span>	<b>Components</b> <span style="float: right;">s. Seite 172</span> <b>Controller</b> render_component :controller => "admin", :action => "search" render_component_as_string :controller => "admin", :action => "search"  <b>View</b> <%= render_component :controller => "admin", :action => "search" %>
---	--	--

**Pagination** s. Seite 174

```
Controller  
@project_pages, @projects = paginate(:projects, :order_by => "start", :per_page => 2)  
  
View  
<%= pagination_links(@project_pages, :window_size => 3) %>
```

**Redirect** s. Seite 129

```
redirect_to :action => "show", :controller => "project", :id => @project
```