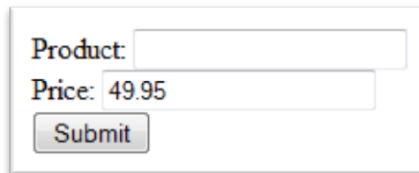


Simple Form

```
<form action="/product/update" method="post">  
  Product: <input type="text" name="product"/><br />  
  Price: <input type="text" name="price" value="49.95"/><br />  
  <input type="submit" value="Submit"/>  
</form>
```



Product:

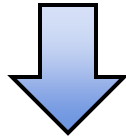
Price:

Rails Form Helpers

Describes type, provides initial values

```
<%= form_for(@student, :url => {:action => :modify,
  :id => @student.id}) do |form| %>
  <%= form.text_field(:name) %>
  <%= form.text_field(:birth) %>
  <%= form.submit "Modify Student" %>
<% end %>
```

Object representing
form



```
<form action="/student/modify/4" method="post">
<input id="student_name" name="student[name]"
  size="30" type="text" value="Chen" />
<input id="student_birth" name="student[birth]"
  size="30" type="text" value="1990-02-04" />
<input name="commit" type="submit"
  value="Modify Student" />
</form>
```

Customize Format

```
<%= form_for(@student, :url => {:action => :modify,
  :id =>@student.id}) do |form| %>
  <table class="form">
    <tr>
      <td><%= form.label(:name, "Name:") %></td>
      <td><%= form.text_field(:name) %></td>
    </tr>
    <tr>
      <td><%= form.label(:birth, "Date of birth:") %></td>
      <td><%= form.text_field(:birth) %></td>
    </tr>
    ...
  <table>
  <%= form.submit "Modify Student" %>
<% end %>
```

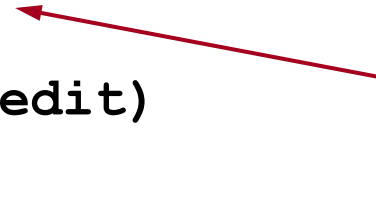
Post Action Method

```
def modify
  @student = Student.find(params[:id])
  if @student.update_attributes(params[:student]) then
    redirect_to(:action => :show)
  else
    render(:action => :edit)
  end
end
```

Hash with all of form data



Redirects on success



Redisplay form on error



Validation (in Model)

```
class Student < ActiveRecord::Base
  validates_format_of :birth,
    :with => /\d\d\d\d-\d\d-\d\d/,
    :message => "must have format YYYY-MM-DD"

  def validate_gpa
    if (gpa < 0) || (gpa > 4.0) then
      errors.add(:gpa, "must be between 0.0 and 4.0")
    end
  end

  validate :validate_gpa
end
```

Built-in validator

Custom validation method

Saves error info

Error Messages

```
<% @student.errors.full_messages.each do |msg| %>
  <p><%= msg %></p>
<% end %>
form_for(@student, :url => {:action => :modify,
  :id =>@student.id}) do |form| %>
  ...
  <%= form.label(:birth, "Date of birth:") %>
  <%= form.text_field(:birth) %>
  ...
<% end %>
```

File Uploads with Rails

```
<% form_for(:student, :html=>{:multipart => true}  
  :url => {...}) do |form| %>  
  ...  
  <%= form.file_field(:photo) %>  
  ...  
<% end %>
```

In form post method:

```
params[:student][:photo].read()  
params[:student][:photo].original_filename
```

