Phoenix LiveView

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Phoenix installeren

- https://www.phoenixframework.org/
  - https://elixir-lang.org/install.html

- Install Phoenix project generator
  - *mix archive.install hex phx_new*
- Create your project
  - *mix phx.new <kies een naam> --no-ecto*
  - *cd <gekozen naam>*
  - *iex -S mix phx.server*
- Open web browser
  - *http://localhost:4000/*
- Open een code editor
  - *code .*

router.ex

- .../lib/<gekozen_naam_web>
  - Endpoint.ex
  - **Router.ex   <<<**
  - Telemetry.ex
- Localhost:4000/my_page

Live page – stap 1

```
scope "/", <GekozenNaamWeb> do
    pipe_through :browser
    get "/", PageController, :index
    live "/my_page", MyPage
  end
```

my_page.ex

- .../lib/<gekozen_naam_web>/views
  - page_view.ex
  - ...
  - **Zelf een module maken:**
    - my_page.ex
- Localhost:4000/my_page

my_page.ex – stap 2

```
defmodule Deel1Web.MyPage do
  use Phoenix.LiveView

  def mount(_params, _session, socket), do: { :ok, socket}

  def render(assigns) do
    ~H"""
    <h1> --------- Hello World ------------- </h1>
    """
  end
end
```

my_page 1..6

- mount(params, session, socket)
- render(assigns)

  <%= @var %>

  <hml-parameter= {val} > … </html-...>
- call back functies
- bindings

my_page 1..6

- mount(params, session, socket)
- render(assigns)
- call back functies
  - handle_event(“…”, %{ “..” => var }, socket)
  - handle_info({:key, info}, socket)
  - Socket.assigns.xxx
- Bindings: muis, toetsenbord, ...

If … else ...

```
<%= if @state == "new" do %>
  <p>Newly joined.</p>
<% end %>

<%= if @state == "new" do %>
  <p>Newly joined.</p>
<% else %>
  <p>Veteran.</p>
<% end %>
```

Loop - Enum(erables)

```
def mount(_params, _session, socket) do
  {
    :ok,
    assign(socket, leden_lijst: [“Jef”, Marie”])
  }
 end
```

Loop - Enum(erables)

```
def handle_info({:add, lid}, socket) do
    l = socket.assigns.leden_lijst
    socket = assign(socket, leden_lijst: [ lid | l ])
    {:noreply, socket}
    #{:noreply, update(socket, :leden_lijst, &([lid | &1]))}
  end
```

loop

```
<%= for lid <- @leden_lijst do %>
  <div class="name"><%= lid %></div>
<% end %>
```