



# NT KONF

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## **Fast track to full- stack F# web apps with WebSharper**

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# Agenda

Getting started with WebSharper

Abstract forms with WebSharper.Forms

Charting with WebSharper.Charting

Reactive templating example – Shopping cart

# Repositories

<https://github.com/dotnet-websharper>

<https://github.com/dotnet-websharper/ui>

<https://github.com/dotnet-websharper/forms>

<https://github.com/dotnet-websharper/charting>

<https://github.com/granicz/FsAdvent2022>

<https://github.com/granicz/ShoppingCart> (TBC)

# WebSharper.Forms

```
Form.Return (fun v1 ... vn -> v1, ..., vn)
<*> Form.Yield ""
...
<*> Form.Yield ""
|> Form.WithSubmit
|> Form.Run (fun ((v1, ..., vn) as data) ->
    JS.Alert $"You submitted: {data}"
)
|> Form.Render (fun v1 ... vn submitter ->
    Templates.MyTemplate()
        .Value1(v1)
        . . . .
        .Valuen(vn)
        .Submit(fun e -> submitter.Trigger())
        .Doc()
)
```

How to compose inner values

What to do with the results

How to render it on the UI

# Serving a Shopping cart SPA

```
namespace ShoppingCart

open WebSharper
open WebSharper.Sitelets

type EndPoint =
  | [<EndPoint "/">] Home

module Site =
  open type WebSharper.UI.ClientServer

  [<Website>]
  let Main =
    Application.MultiPage (fun ctx -> function
      | EndPoint.Home ->
        Content.Page([
          hydrate (Client.ShoppingCart())
        ])
    )
```







NOT KNOWN

Questions?

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