

```
(function() {  
  'use strict';  
  
  var oldLanguage, newEnding;  
  
  function newLanguage(oldLanguage, newEnding) {  
    return oldLanguage + newEnding;  
  }  
  
  console.log(newLanguage('Java', 'Script'));  
  
})();
```

ÚR JAVA Í JAVASCRIPT

Þorgils Völundarson

Krabbameinsskrá Krabbameinsfélags Íslands
thorgils@krabb.is



Krabbameinsskrá
Krabbameinsfélags
Íslands

Stofnuð 1954

F N T F R < X P

H t | S J C Y S

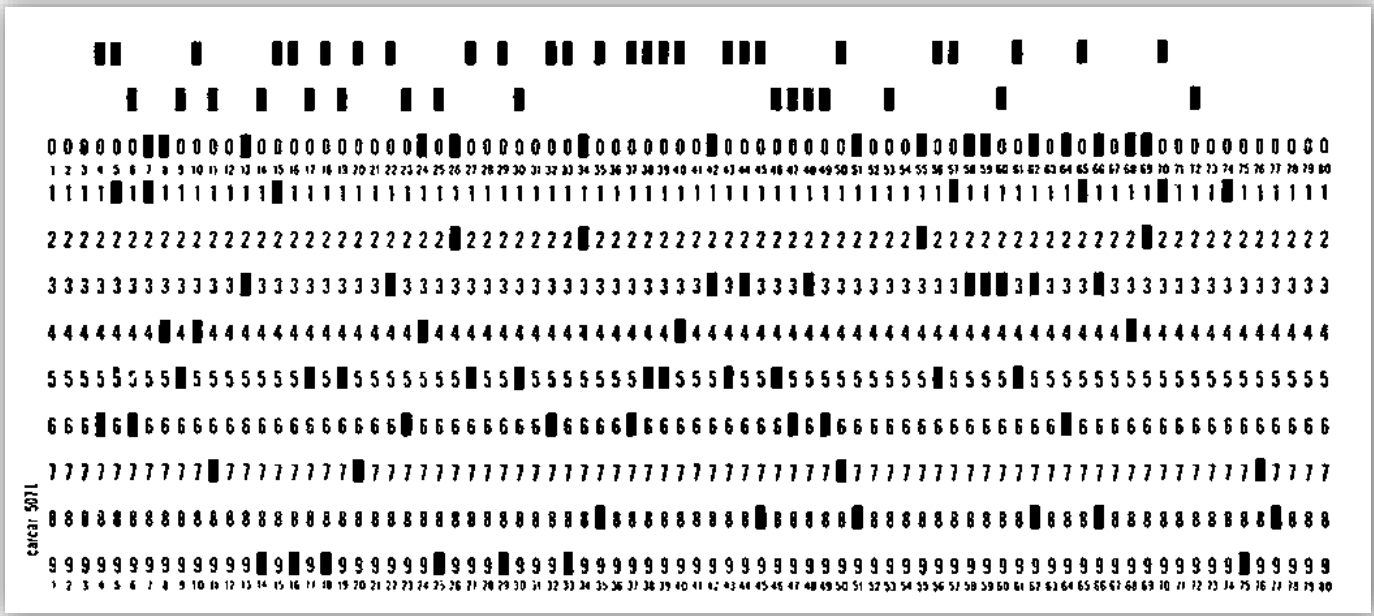
↑ B M A Γ ◊ W Q

RÚNIR



Krabamein

HANDSKRIFAÐ OG VÉLRITAÐ



GATASPJÖLD



SEGULBÖND



SEGULDISKAR



HARÐIR DISKAR



DISKETTUR



GEISLADISKAR



USB LYKLAR

Síðast forritað:

1999

Bakendi

Oracle gagnagrunnur

Framendi

Java viðmót



Larry Ellison þarf líka að lifa



KEEP
CALM
AND GO TO
SPA For a
Happy ending

Bakendi

PostgreSQL gagnagrunnur
Tomcat viðmótsþjónn
JavaServer Pages – JSP

Framendi

Chrome vafri
HTML5 og **CSS3**
Angular JS

AngularJS(P)

Búið til úr

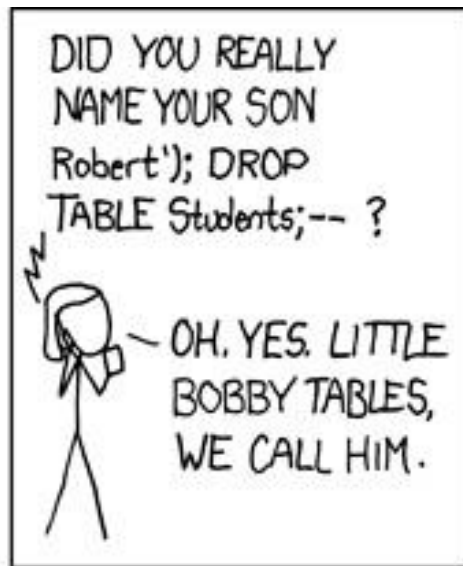
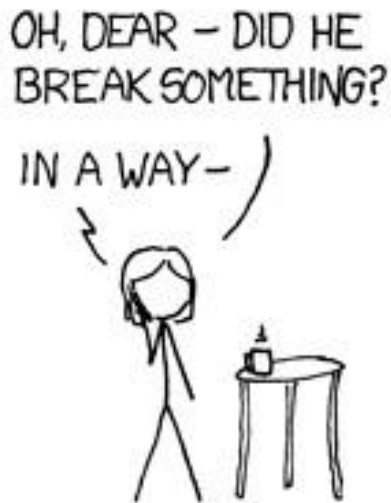
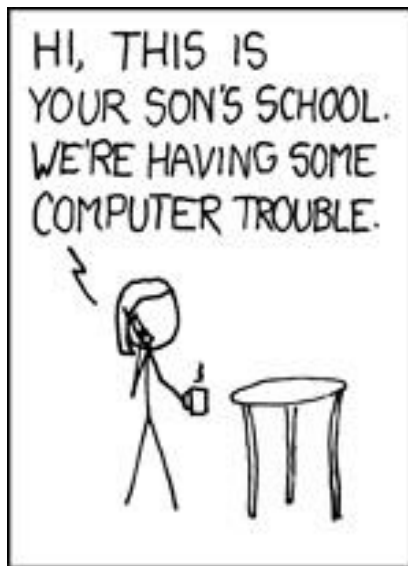
regnbogum

einhyrningum og

kettlingum



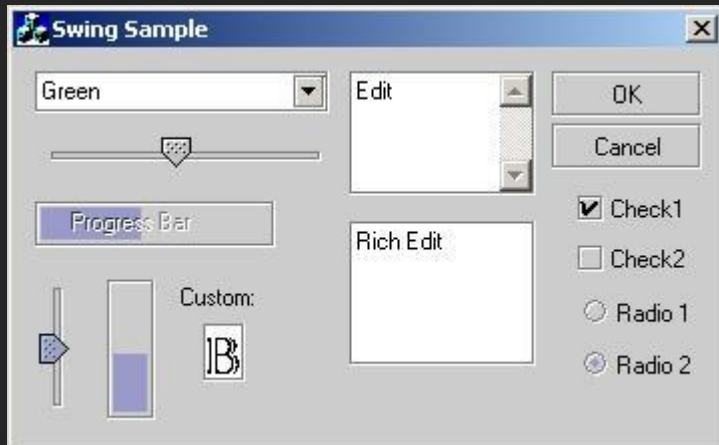
Exploits of a Mom | xkcd.com



100% öryggi = 0% framleiðni

JAVA

SWING



TWITTER

BOOTSTRAP

Action
Another action
Something else here

Separated link

Dropdown header
Action
Another action
Something else her

Dropdown header
Separated link

Regular link
Disabled link
Another link

Left Middle Right

1 2 3 4

5 6 7 8

1 2 3 Dropdown ▾

Left Middle Right

Button
Button
Button
Button

Action ▾ Action ▾ Danger ▾ Warning ▾ Success ▾

Dropup ▲ Right dropup ▲

Large Button ▾

Small button ▾

@

.00

\$.00

GOOGLE

MATERIAL DESIGN



Nafn: Heimili: Póstnúmer: Sveitarfélag:
 Kennitala: Dánardagur: Kyn: Hjúskaparstaða:

Kennitala: Dags. skráð: Biðfærslur:

Gr. ár: Dags. breytt:

Æxli: Sveitarfélag:

Vg. Kr. F Hjúskaparstaða:

Sent frá: Dánarmein:

Dags. komu: Dánarorsök:

Dags. svars: Yfirfarið:

SNOMED-T:

ICD-10:

ICD-7:

ICD-9:

ICD-O:

Meingerð:

Vinnslumerki: AB

Gróf stígun: T

N

M

Nákv. gr.: Diff:

Til er nákvæmari stígun

Hlið:

Meinvörp:

Meingerð2:

ICD-10: ICD-O: Hlið: Sveitarfélag:

ICD-7: Meingerð: Nr. æxlis: Fyrsta greining:

ICD-9: Nákv. gr.: Greiningaraldur:

skjámynd prufa [Compatibility Mode] - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Acrobat

AB11

Askja												
Nafn			Heimili			Póstnúmer		Sveitarfélag				
Kennitala			Dánardagur			Kyn						
ICD 10		ICD O3		Hlið		Meingerð						
Númer æxlis		Fyrsta greining		Grunnur greiningar								
11	Kennitala	<input type="text"/>	Dags skráð	<input type="text"/>	Biðfærslur							
13	Númer æxlis	<input type="text"/>	Gr.ár	<input type="text"/>	Dags breytt	<input type="text"/>						
15	Dags komu	<input type="text"/>	Dánarorsök	<input type="text"/>	<input type="text"/>							
17	Sent frá	<input type="text"/>	Yfirfarið	<input type="text"/>								
19		<input type="text"/>	IARC tékk	<input type="text"/>								
22	Grundv. gr.	<input type="text"/>	Krufning	<input type="checkbox"/>								
24		Greint í krufningu		<input type="checkbox"/>	Vinnslumerki	<input type="text"/>	Fyrri færslur					
27	PAD	<input type="text"/>	<input type="text"/>	<input type="text"/>	TNM stigun	<input type="text"/>	*TNM til					
29	Snomed T	<input type="text"/>			Blóðmei	<input type="text"/>	* Blóðmei til					
31	ICD 10	<input type="text"/>										
33	ICD O3	<input type="text"/>										
35	Meingerð	<input type="text"/>										
37	Meingerð RH	<input type="text"/>										
39	Hlið	<input type="text"/>										
41	Meinvörp	<input type="text"/>	<input type="text"/>	<input type="text"/>								
43		<input type="text"/>	<input type="text"/>	<input type="text"/>								
46	Athugasemd	<input type="text"/>	*Athugasemd er til!									
49	* Ef TNM og/eða blóðmei til setja mynd sem gefur það til kynna. Sama gildir um athugasemd.											

Sheet1 Sheet2 Sheet3

Ready 100%

CSS

IS

AWESOME

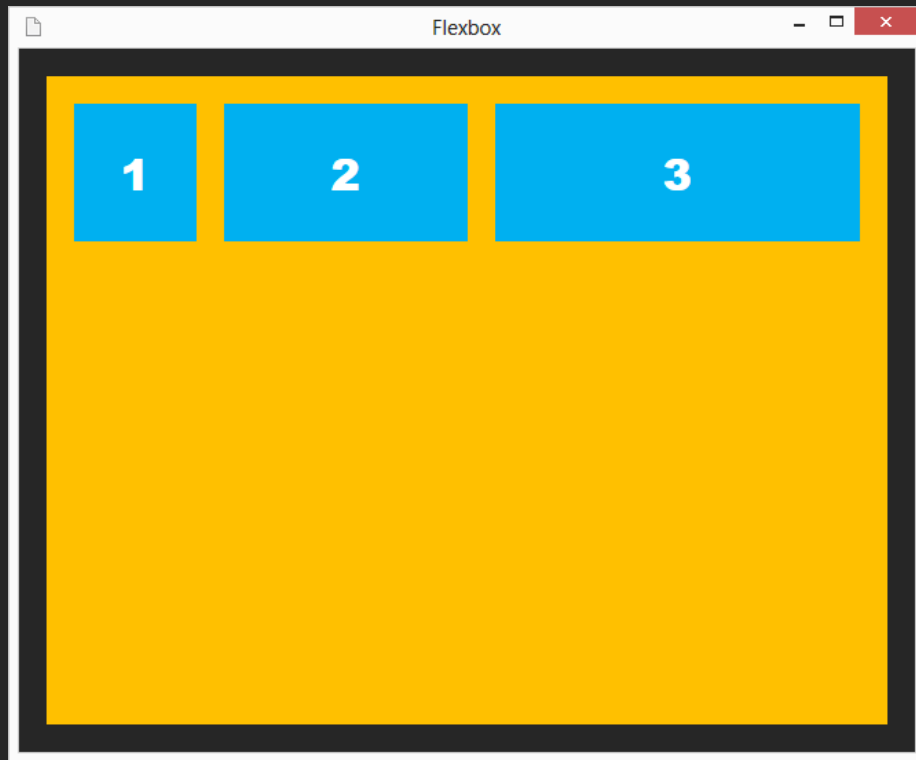

```
.foreldri {  
  display: flex;  
  flex: 1;  
  flex-direction: row;}
```

```
.barn {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}
```

```
.barn1 {flex: 1;}
```

```
.barn2 {flex: 2;}
```

```
.barn3 {flex: 3;}
```



css3 flexbox

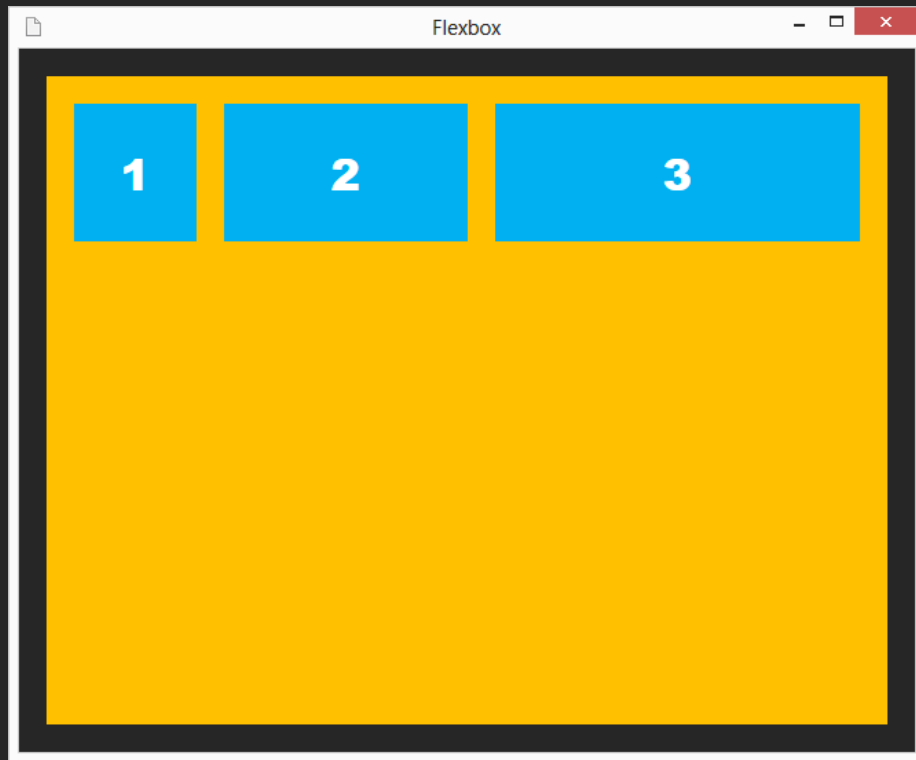
```
.foreldri {  
  display: flex;  
  flex: 1;  
  flex-direction: row;}
```

```
.barn {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}
```

```
.barn1 { flex: 1; }
```

```
.barn2 { flex: 2; }
```

```
.barn3 { flex: 3; }
```



css3 flexbox

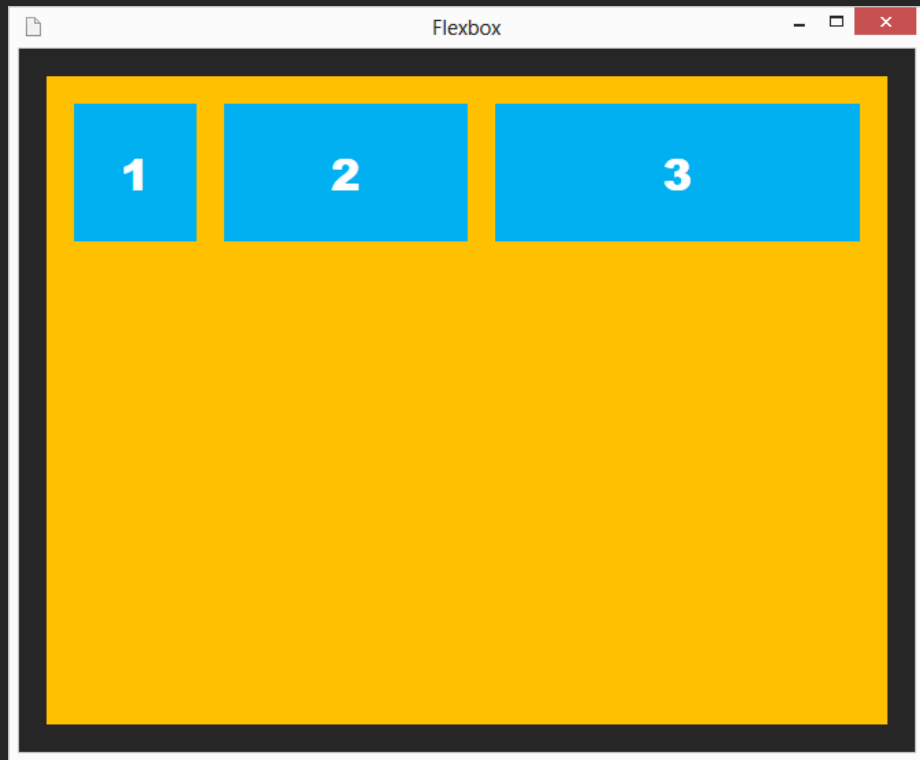
```
.foreldri {  
  display: flex;  
  flex: 1;  
  flex-direction: row;}  
}
```

```
.barn {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}
```

```
.barn1 {flex: 1;}  
}
```

```
.barn2 {flex: 2;}  
}
```

```
.barn3 {flex: 3;}  
}
```



css3 flexbox

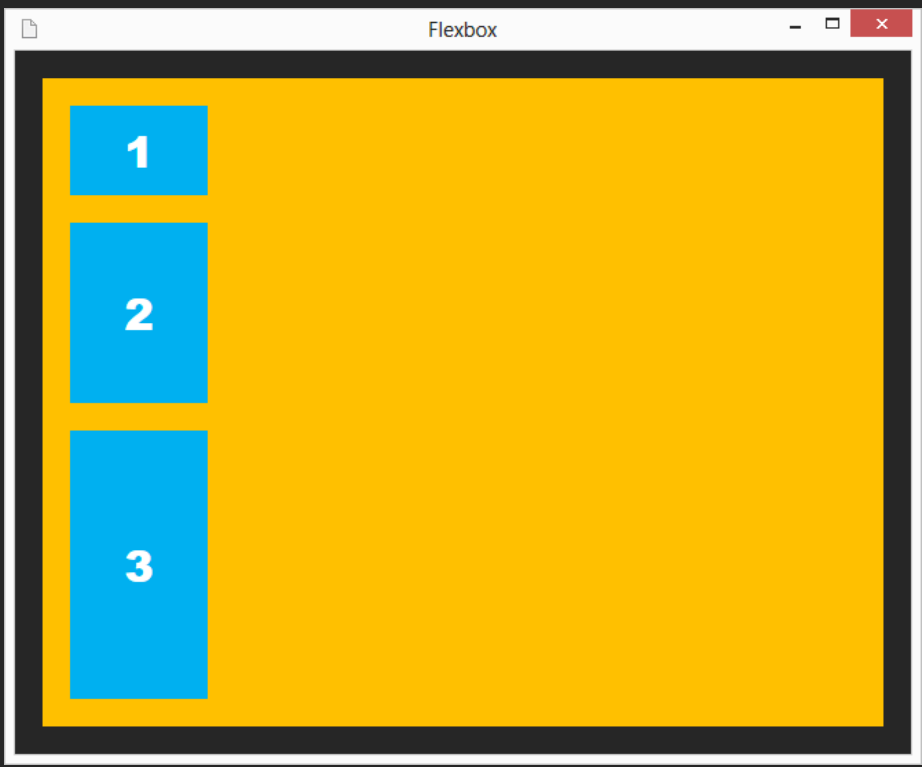
```
.foreldri {  
  display: flex;  
  flex: 1;  
  flex-direction: column;}  
}
```

```
.barn {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}
```

```
.barn1 {flex: 1;}  
}
```

```
.barn2 {flex: 2;}  
}
```

```
.barn3 {flex: 3;}  
}
```



css3 flexbox

```
.foreldri {  
  display: flex;  
  flex: 1;  
  flex-direction: column;}
```

```
.barn {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}
```

```
.barn1 {flex: 1;}
```

```
.barn2 {flex: 2;}
```

```
.barn3 {flex: 3;}
```



css3 flexbox

```
.foreldri {  
  display: flex;  
  flex: 1;  
  flex-direction: column;}
```

```
.barn {  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}
```

```
.barn1 {flex: 1; order: 2;}
```

```
.barn2 {flex: 2; order: 3;}
```

```
.barn3 {flex: 3; order: 1;}
```



css3 flexbox

header

nav

main

footer

```
<!DOCTYPE html>
<html>
  <head>
    (sækja css, leturgerðir, tákni og js)
  </head>
  <body>
    <header class="app_header"></header>
    <nav class="tabmenu">
      <ul>
        <li><a href=""> Skráning </a></li>
        <li><a href=""> Notandi </a></li>
      </ul>
    </nav>
    <main></main>
    <footer></footer>
  </body>
</html>
```

Index.html


```
<!DOCTYPE html>
<html ng-app="askja">
  <head>
    (sækja css, leturgerðir, tákni og js)
  </head>
  <body ng-controller="AskjaCoreController">
    <header class="app_header">askja | {{vm.user.name}}</header>
    <nav class="tabmenu">
      <ul>
        <li><a href="#/registration"> Skráning </a></li>
        <li><a href="#/user"> Notandi </a></li>
      </ul>
    </nav>
    <main ng-view></main>
    <footer></footer>
  </body>
</html>
```

Index.html

```
<!DOCTYPE html>
<html ng-app="askja">
  <head>
    (sækja css, leturgerðir, tákn og js)
  </head>
  <body ng-controller="AskjaCoreController">
    <header class="app_header">askja | {{vm.user.name}}</header>
    <nav class="tabmenu">
      <ul>
        <li><a href="#/registration"> Skráning </a></li>
        <li><a href="#/user"> Notandi </a></li>
      </ul>
    </nav>
    <main ng-view></main>
    <footer></footer>
  </body>
</html>
```

Index.html

```
<!DOCTYPE html>
```

```
<html ng-app="askja">
```

```
  <head>
```

```
    (sækja css, leturgerðir, tákn og js)
```

```
  </head>
```

```
<body ng-controller="AskjaCoreController">
```

```
  <header class="app_header">askja | {{vm.user.name}}</header>
```

```
  <nav class="tabmenu">
```

```
    <ul>
```

```
      <li><a href="#/registration">Skráning </a></li>
```

```
      <li><a href="#/user">Notandi </a></li>
```

```
    </ul>
```

```
  </nav>
```

```
  <main ng-view></main>
```

```
  <footer></footer>
```

```
</body>
```

```
</html>
```

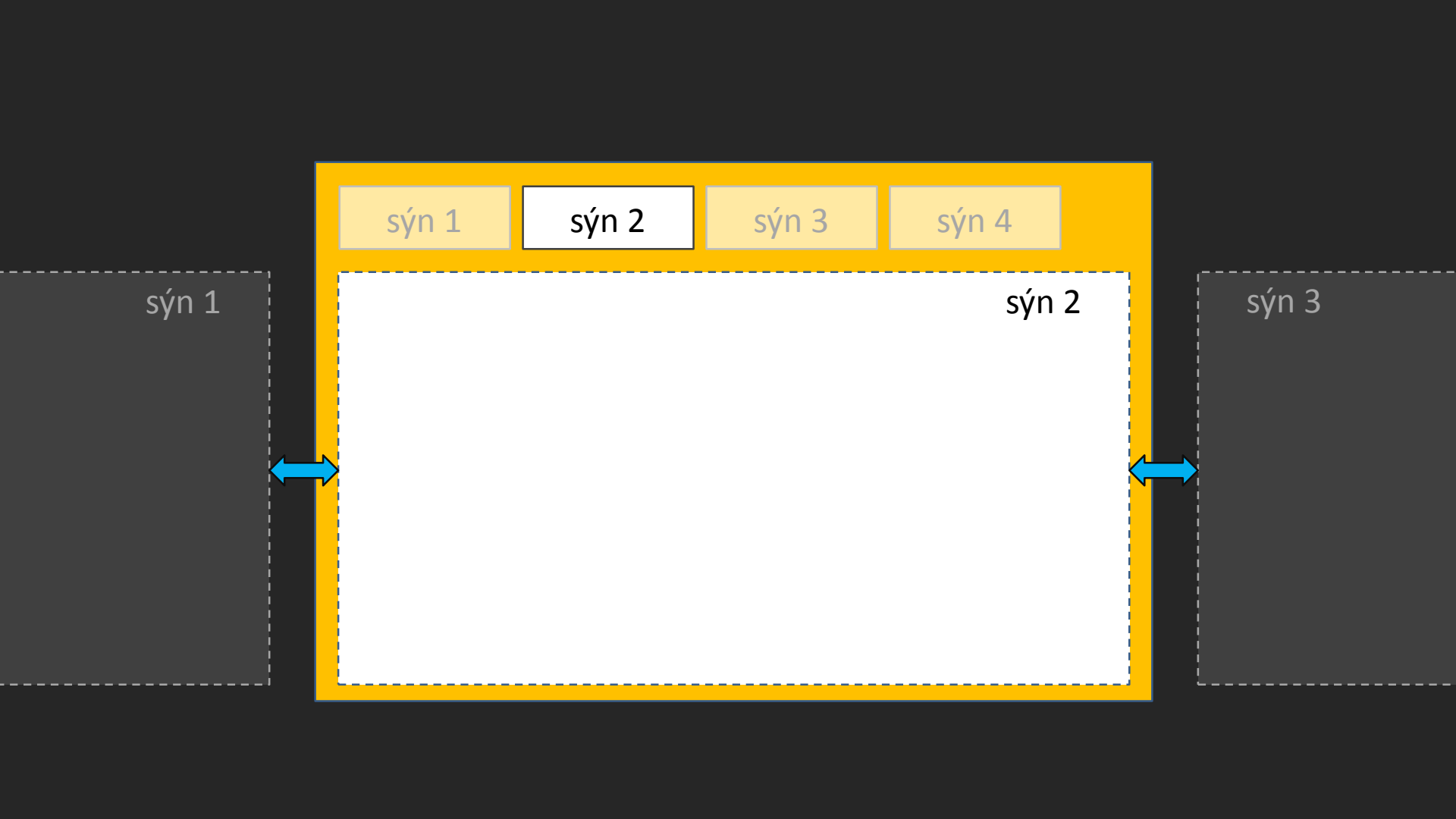
Index.html

```
<!DOCTYPE html>
<html ng-app="askja">
  <head>
    (sækja css, leturgerðir, tákni og js)
  </head>
  <body ng-controller="AskjaCoreController">
    <header class="app_header">askja | {{vm.user.name}}</header>
    <nav class="tabmenu">
      <ul>
        <li><a href="#/registration">Skráning </a></li>
        <li><a href="#/user">Notandi </a></li>
      </ul>
    </nav>
    <main ng-view></main>
    <footer></footer>
  </body>
</html>
```

Index.html

```
<!DOCTYPE html>
<html ng-app="askja">
  <head>
    (sækja css, leturgerðir, tákni og js)
  </head>
  <body ng-controller="AskjaCoreController">
    <header class="app_header">askja | {{vm.user.name}}</header>
    <nav class="tabmenu">
      <ul>
        <li><a href="#/registration"> Skráning </a></li>
        <li><a href="#/user"> Notandi </a></li>
      </ul>
    </nav>
    <main ng-view></main>
    <footer></footer>
  </body>
</html>
```

Index.html



sýn 1

sýn 2

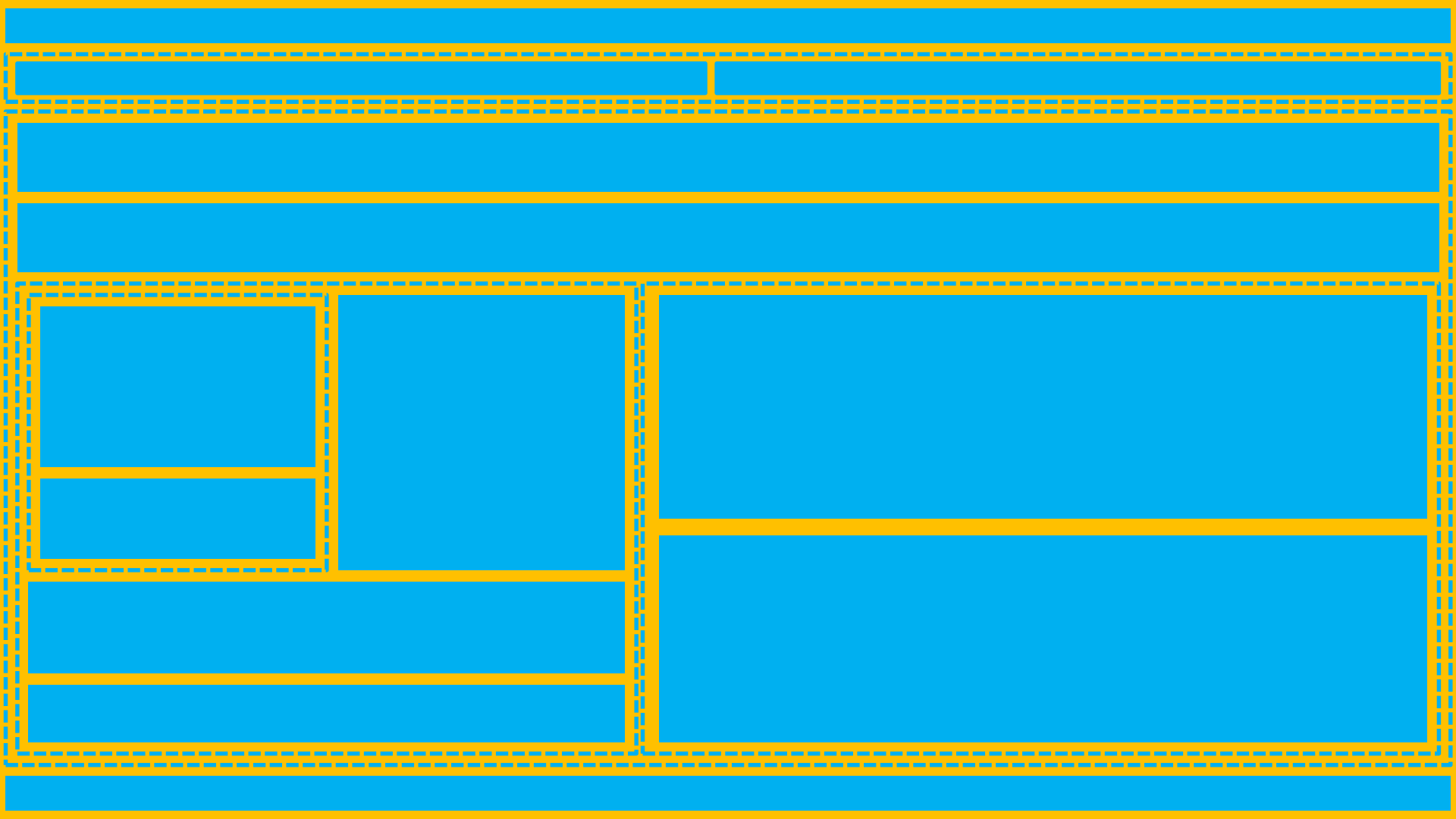
sýn 3

sýn 4

sýn 1

sýn 2

sýn 3



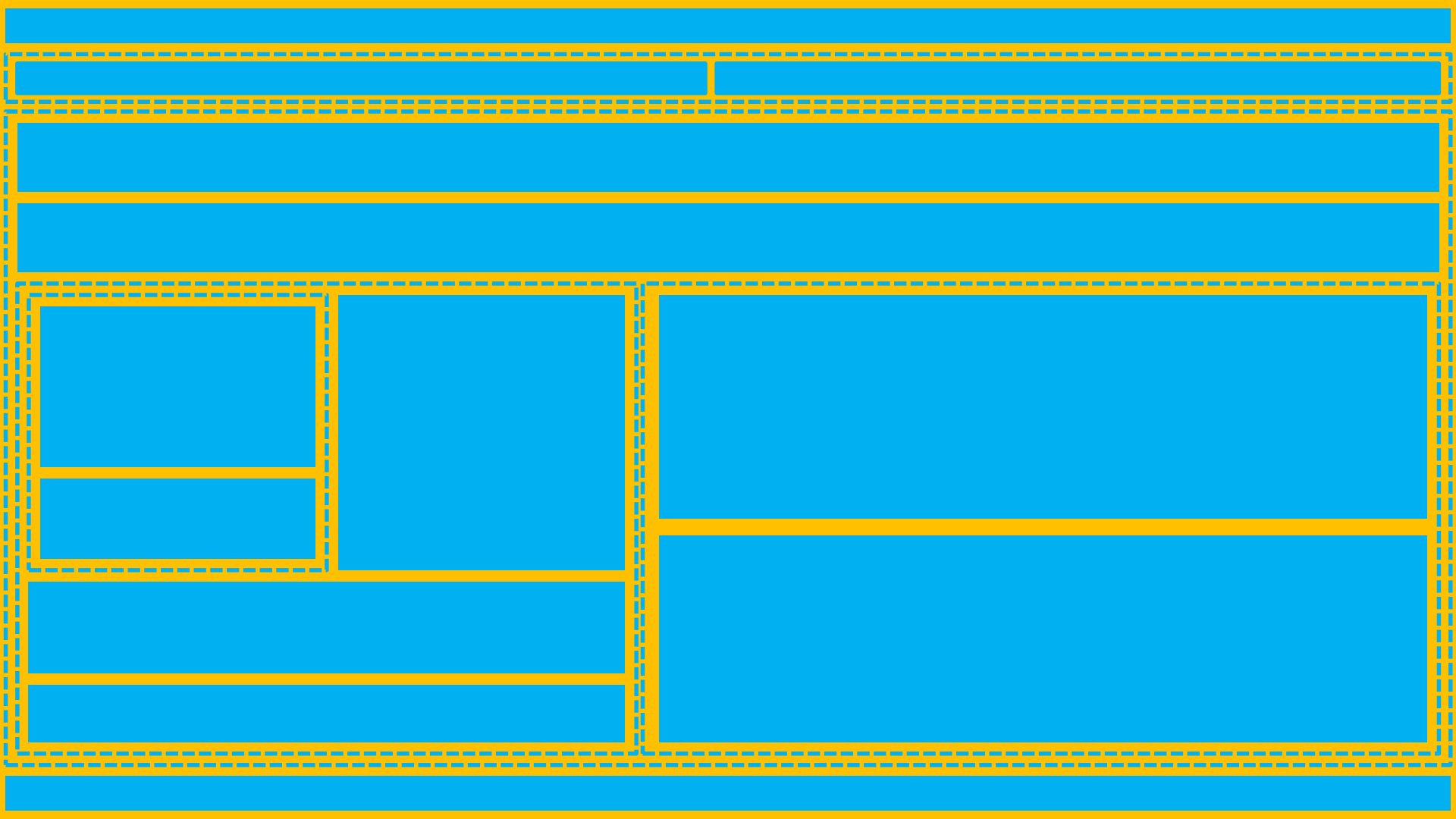
```
<form name="regForm">
  <section class="sec1" ng-include src=""registration/sections/section1.html""></section> <!-- Þjóðskrá -->
  <section class="sec2" ng-include src=""registration/sections/section2.html""></section> <!-- Kjarnskrá -->
  <div class="wrap1">
    <div class="wrap4">
      <div class="wrap5">
        <div class="wrap2">
          <section class="sec3" ng-include src=""registration/sections/section3.html""></section> <!-- Kennitala ... -->
          <section class="sec4" ng-include src=""registration/sections/section4.html""></section> <!-- Grundv. gr .... -->
        </div>
      <div class="wrap2">
        <section class="sec5" ng-include src=""registration/sections/section5.html""></section> <!-- Pad númer ... -->
      </div>
    </div>
    <section class="sec6" ng-include src=""registration/sections/section6.html""></section> <!-- Dags skráð ... -->
    <!-- Stillingar, athugasemdir ... -->
    <section class="sec7" ng-init="osNumber()" ng-include src=""registration/sections/section7.html""></section>
  </div>
  <div class="wrap3">
    <section class="sec8" ng-include src=""registration/sections/section8.html""></section> <!-- skráðar færslur -->
    <section class="sec9" ng-include src=""registration/sections/section9.html""></section> <!-- óskráðar færslur -->
  </div>
</div>
</form>
```

registry.html


```
<form name="regForm">
  <section class="sec1" ng-include src="../../../section1.html"></section>
  <section class="sec2" ng-include src="../../../section2.html"></section>
  <div class="wrap1">
    <div class="wrap4">
      <div class="wrap5">
        <div class="wrap2">
          <section class="sec3" ng-include src="../../../section3.html"></section>
          <section class="sec4" ng-include src="../../../section4.html"></section>
        </div>
      </div>
    </div>
  </div>
  ...

```

registry.html



1 SKRÁNING

7 NOTANDI

Nafn:	Heimili:	Póstnúmer:	Sveitarfélag:
Kennitala:	Dánardagur:	Kyn:	

ICD 10:	ICD 03:	Hlið	Meingerð:
Númer æxlis:	Fyrsta greining:	Grunnur greiningar:	

Kennitala **kt esja**

Númer æxlis

Gr.ár

Dags komu

Sent frá

PAD númer

Snomed T

ICD 10

ICD 03

Meingerð

Meingerð 2 Transformation

Hlið

Meinvörp

Grundv. gr. Krufning

Greint í krufningu

Dags skráð

Dags breytt

Dánarorsök

Yfirfarið

IARC tékk

Vinnslumerki

Athugasemd

Æxli	Dags	Grundv.	Meingerð	ICD 10	PAD nr	Hlið	Vinnslum.	Ár

Æxli	Dags	Grundv.	Meingerð	ICD 10	PAD nr	Hlið	Vinnslum.	Ár	+

```
<input
  required
  name="kennitala"
  type="text"
  class="size3"
  autofocus="autofocus"
  pattern="(0[1-9] | [12][0-9] | 3[01])(0[1-9] | 1[012])\d\d[a-zA-
Z0-9][a-zA-Z0-9][a-zA-Z0-9][089]"
  ng-model="vm.nsData.kennitala"
  ng-keyup="vm.getData();"
  ng-paste="vm.getData();" />
```

```
<input
```

```
  required
```

```
  name="kennitala"
```

```
  type="text"
```

```
  class="size3"
```

```
  autofocus="autofocus"
```

```
  pattern="(0[1-9] | [12][0-9] | 3[01])(0[1-9] | 1[012])\d\d[a-zA-Z0-9][a-zA-Z0-9][a-zA-Z0-9][089]"
```

```
  ng-model="vm.nsData.kennitala"
```

```
  ng-keyup="vm.getData();"
```

```
  ng-paste="vm.getData();" />
```

```
<input
  required
  name="kennitala"
  type="text"
  class="size3"
  autofocus="autofocus"
  pattern="(0[1-9] | [12][0-9] | 3[01])(0[1-9] | 1[012])\d\d[a-zA-Z0-9][a-zA-Z0-9][a-zA-Z0-9][089]"
  ng-model="vm.nsData.kennitala"
  ng-keyup="vm.getData();"
  ng-paste="vm.getData();" />
```

```
<input
  required
  name="kennitala"
  type="text"
  class="size3"
  autofocus="autofocus"
  pattern="(0[1-9] | [12][0-9] | 3[01])(0[1-9] | 1[012])\d\d[a-zA-Z0-9][a-zA-Z0-9][a-zA-Z0-9][089]"
  ng-model="vm.nsData.kennitala"
  ng-keyup="vm.getData();"
  ng-paste="vm.getData();" />
```

```
<input
  required
  name="kennitala"
  type="text"
  class="size3"
  autofocus="autofocus"
  pattern="(0[1-9] | [12][0-9] | 3[01])(0[1-9] | 1[012])\d\d[a-zA-Z0-9][a-zA-Z0-9][a-zA-Z0-9][089]"
  ng-model="vm.nsData.kennitala"
  ng-keyup="vm.getData();"
  ng-paste="vm.getData();" />
```



```
<input
  required
  name="kennitala"
  type="text"
  class="size3"
  autofocus="autofocus"
  pattern="(0[1-9] | [12][0-9] | 3[01])(0[1-9] | 1[012])\d\d[a-zA-
Z0-9][a-zA-Z0-9][a-zA-Z0-9][089]"
  ng-model="vm.nsData.kennitala"
  ng-keyup="vm.getData();"
  ng-paste="vm.getData();" />
```

1 SKRÁNING

7 NOTANDI

Nafn:	Heimili:	Póstnúmer:	Sveitarfélag:
Kennitala:	Dánardagur:	Kyn:	

ICD 10:	ICD 03:	Hlið	Meingerð:
Númer æxlis:	Fyrsta greining:	Grunnur greiningar:	

Kennitala kt esja

Númer æxlis

Gr.ár

Dags komu

Sent frá

PAD númer

Snomed T

ICD 10

ICD 03

Meingerð

Meingerð 2 Transformation

Hlið

Meinvörp

Grundv. gr. Krufning

Greint í krufningu

Dags skráð

Dags breytt

Dánarorsök

Yfirfarið


IARC tékk

Vinnslumerki

Athugasemd

Æxli	Dags	Grundv.	Meingerð	ICD 10	PAD nr	Hlið	Vinnslum.	Ár

Æxli	Dags	Grundv.	Meingerð	ICD 10	PAD nr	Hlið	Vinnslum.	Ár	+



Brilliant!

PAD

PAD LEIT

PAD UPPFÆRSLA

NAFNASKRÁ

NAFNASKRÁ UPPFÆRSLA

SJÚKRA KÓÐAR

NOTANDI

Frá [a]

Krókkóðillinn [b]

RH ▾

C00-C14 munnhol, vör og munnvatnskirtlar ▾

Skráningu lokið [o]

Eyða [p]



kennitala

t

padnr

T-kóði

M-kóði

Dags

Athugasemdir, skráningar [b]

Skráð

Síðast breytt

Skoðist Mikilvægi

lítið

mikið

Svar læknis [d]

Læknabréf [e]

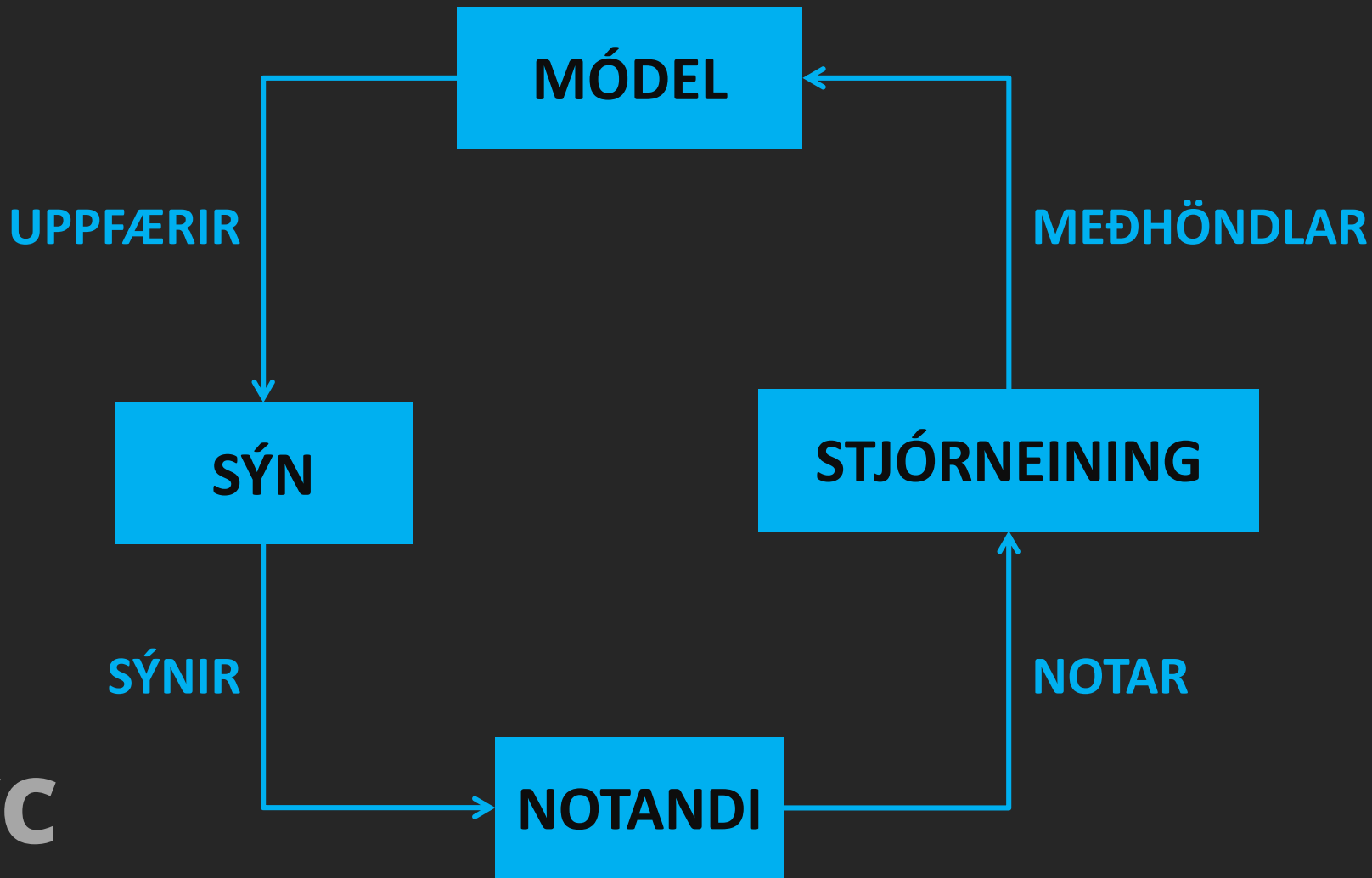
Bakendi

PostgreSQL gagnagrunnur
Tomcat viðmótsþjónn
JavaServer Pages – JSP

Framendi

Chrome vafri
HTML5 og **CSS3**
Angular JS

MVC

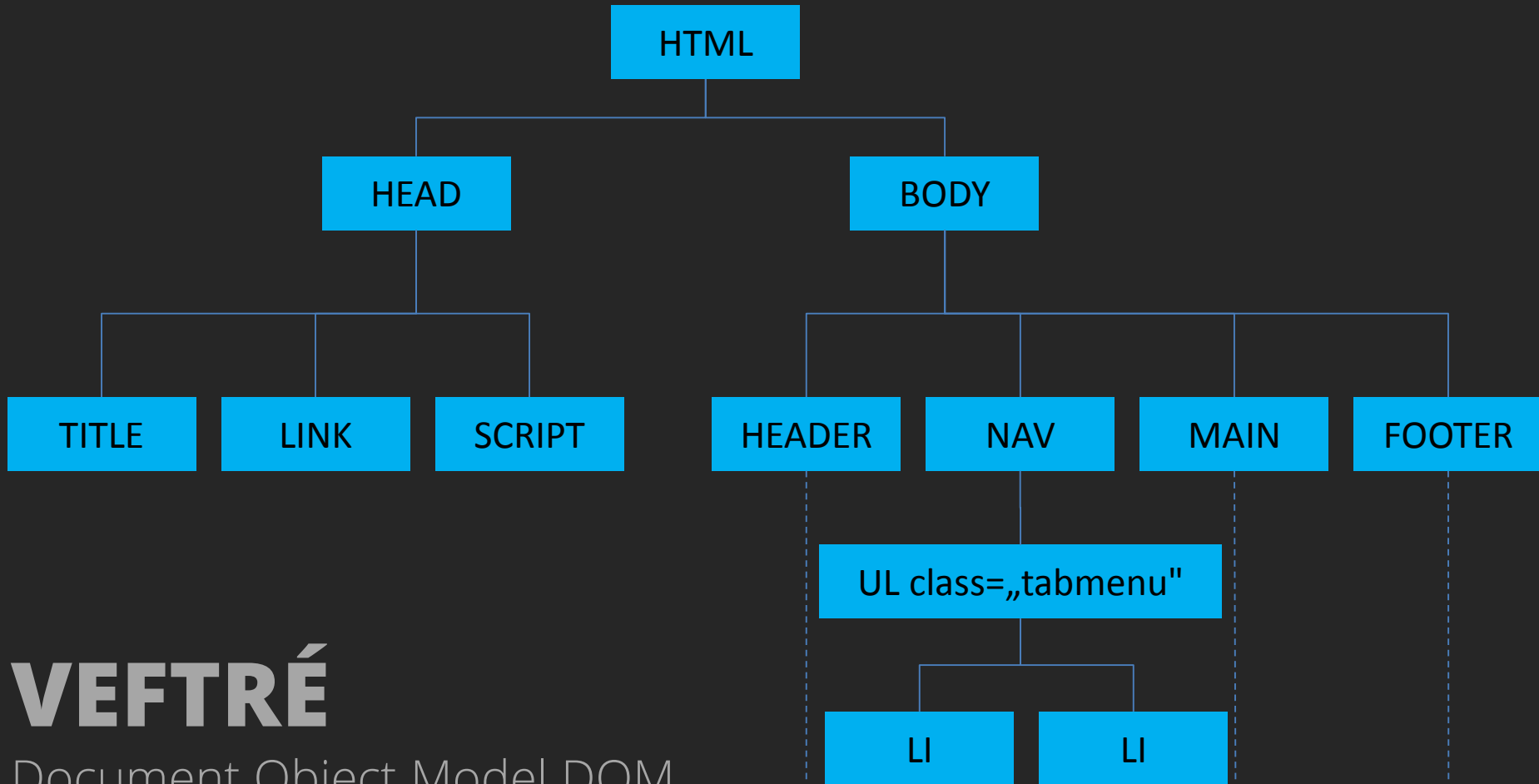


```
<!doctype html>
<html ng-app>
  <head>
    <script src="https://.../angular.min.js">
    </script>
  </head>
  <body>
    <div>
      <label>Name:</label>
      <input type="text"
        ng-model="yourName">
      <hr>
      <h1>Sæll {{yourName}}</h1>
    </div>
  </body>
</html>
```

Name

Sæll Porgils

AngularJS



VEFTRÉ

Document Object Model DOM



angular

.module

.controller

.service

.directive

Kerfiseiningar Angular

AngularJS

angular

.module

.controller

.service

.directive

Kerfisstjórinn, sér um að tengja kerfisþætti þegar á þarf að halda.

Segir til dæmis verkstjóranum (controller) hvaða þjónar (service) eru til reiðu.

AngularJS

angular

.module

.controller

.service

.directive

Verkstjórninn, stjórnar hegðun kerfisins.

Segir t.d. þjóninum (service) til verka.

AngularJS

angular

.module

.controller

.service

.directive

Þjónninn, tekur við pöntunum og framreiðir.

Sér til dæmis um að sækja og senda gögn til bakendans.

AngularJS

angular

.module

.controller

.service

.directive

Skipuleggjandinn, heldur öllu í röð og reglu.

Hægt að búa til ný HTML tög og eigindi:

```
<nýtt-tag nýtt-eigindi=""></nýtt-tag>
```

AngularJS

```
<div class="einstaklingur">  
  <span class="nafn">{{nafn}}</span>  
  <span class="vsimi">{{vinnusími}}</span>  
  <span class="email">{{netfang}}</span>  
  ...  
</div>
```



```
<einstaklingur nafn="" vsimi="" email="" .../>
```

AngularJS directive

AngularJS Style Guide

John Papa

github.com/johnpapa/angularjs-styleguide

IIFE

JavaScript Closures

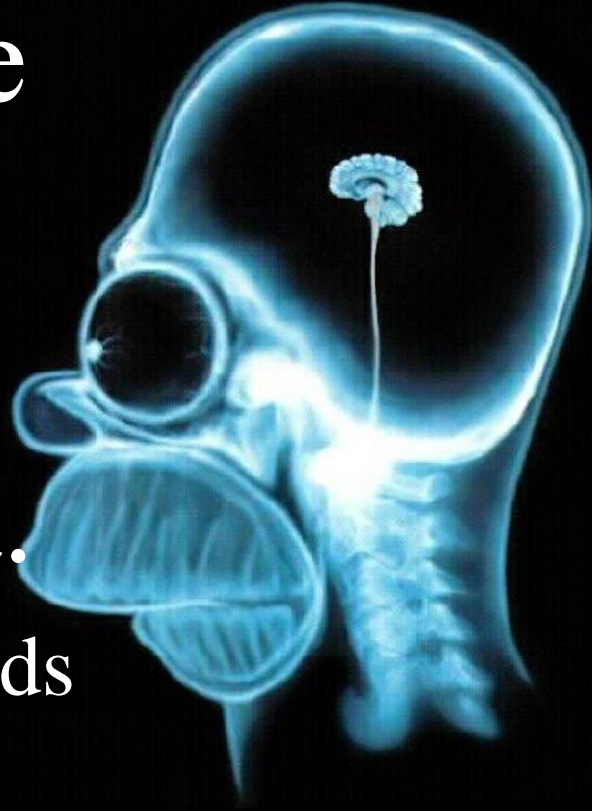
Wrap AngularJS components in an Immediately Invoked Function Expression (IIFE).

Why?: An IIFE removes variables from the global scope. This helps prevent variables and function declarations from living longer than expected in the global scope, which also helps avoid variable collisions.

AngularJS Style Guide

If you can't dazzle
them with
brilliance baffle
them with bullshit.

- W.C. Fields



```
(function() {  
  'use strict';  
  
  var oldLanguage, newEnding;  
  
  function newLanguage(oldLanguage, newEnding) {  
    return oldLanguage + newEnding;  
  }  
  
  console.log(newLanguage('Java', 'Script'));  
  
})();
```

TAKK FYRIR

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