



**Sencha**CON'13

{ serious app dev // serious fun }

# Protect your Assets

# Sencha Desktop Packager

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 @dullnold

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**I hope you caffeinated**



# Break down

- **Introduce**
- **Showcase**
- **Quantify**
- **Demo**

**TL;DR**

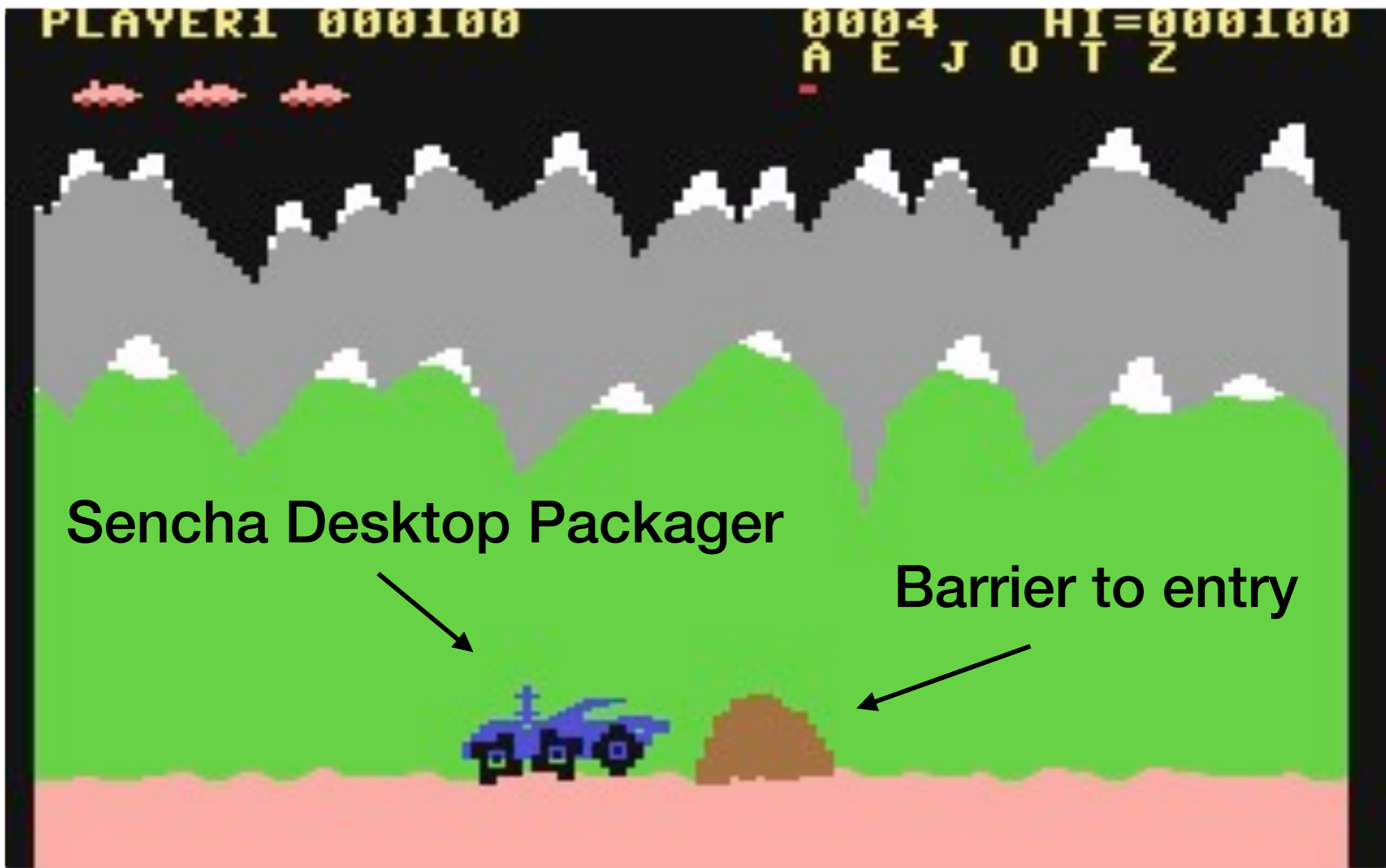
**Vehicle for the delivery,  
extension and integration  
of web apps on a platform.**





Barrier to entry





Sencha Desktop Packager

Barrier to entry



# You stand to gain



# You stand to gain



# You stand to gain



# You stand to gain



**Cover your apps**

# Disclosure:

## Scent of a developer

- **Militant arm of the Sencha Desktop Packager team**

# Disclosure: Scent of a

- Militant arm of the [redacted] kager team



# The case for native apps



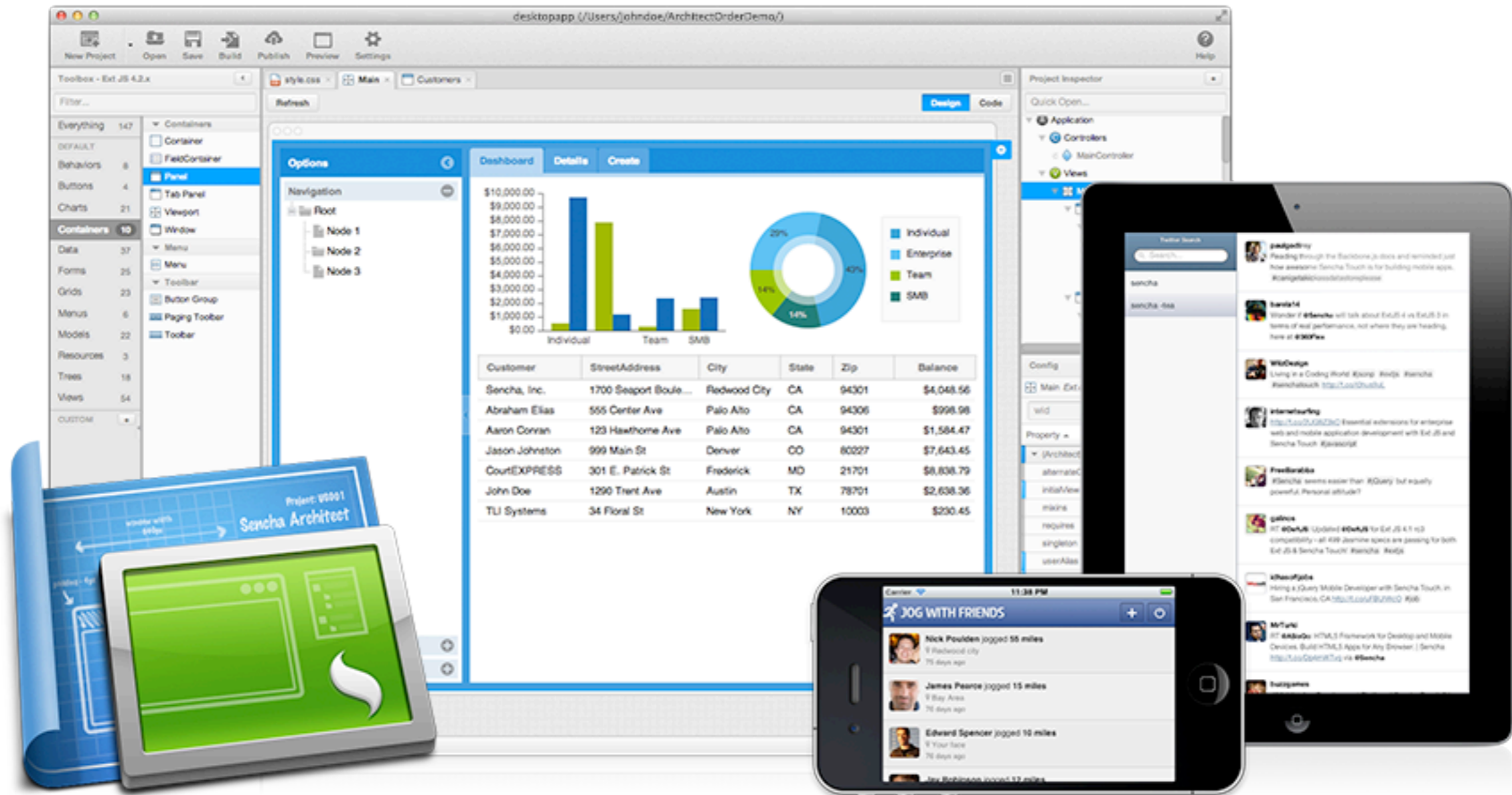
**Native applications are  
glorious**

**and performant**

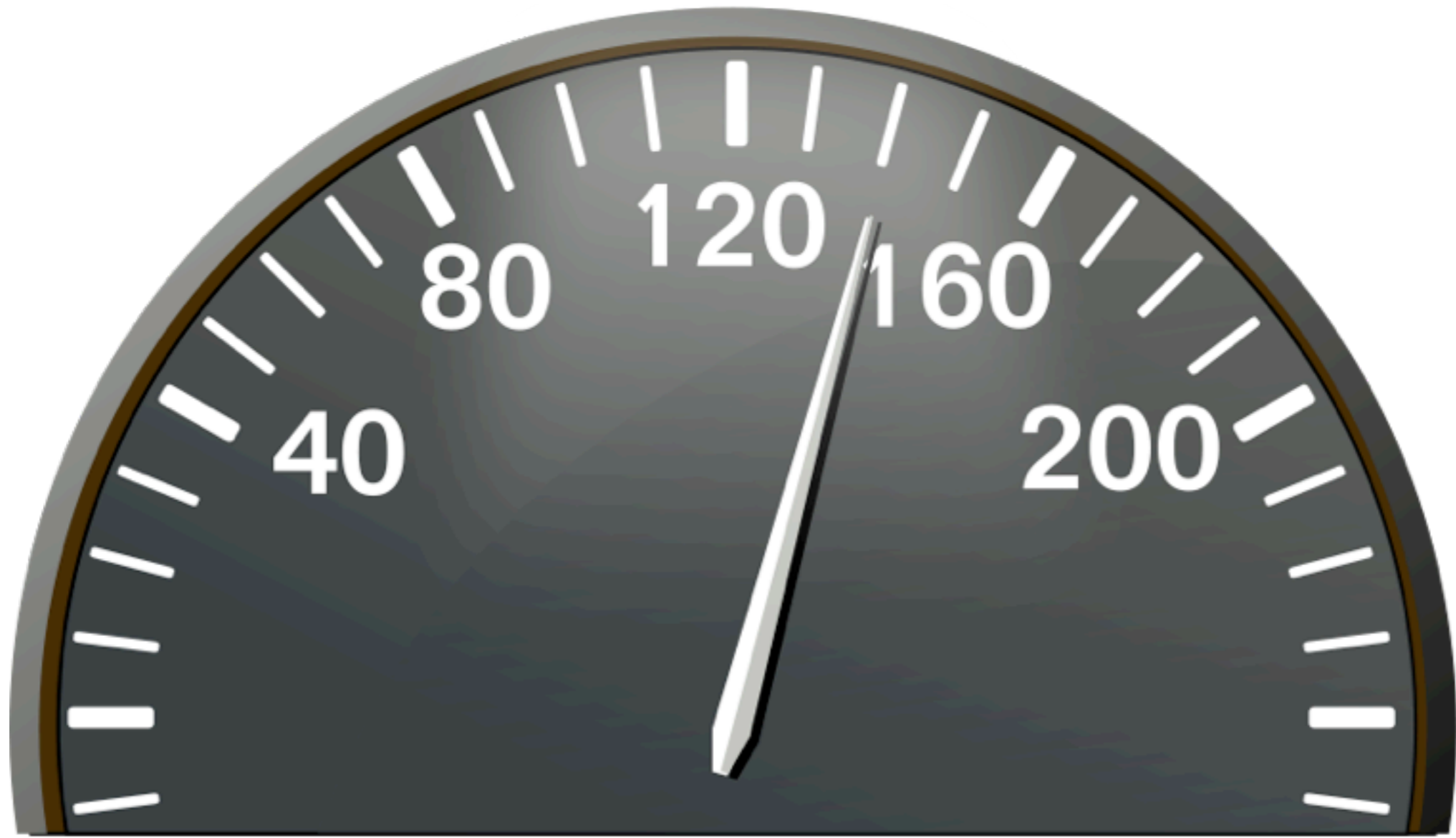


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# Case analysis



# Blisteringly fast



# Seamlessly integrated



# with underlying OS

New Project


Ext JS 4.2.x
  Sencha Touch 2.2.x

Basic (5)      Search

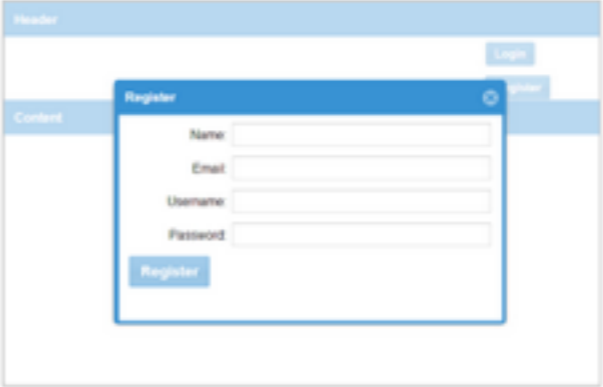
Layouts (14)

Starter Apps (1)

**Blank Project**

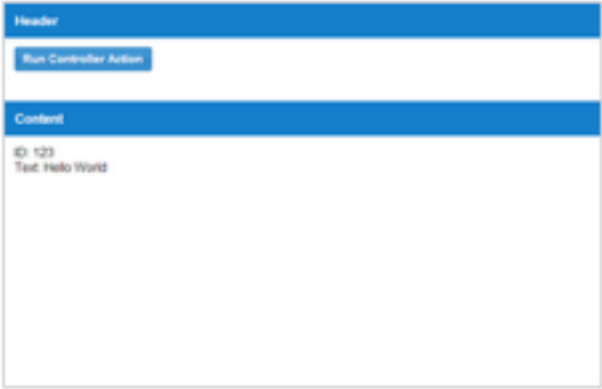


**Login/Register**

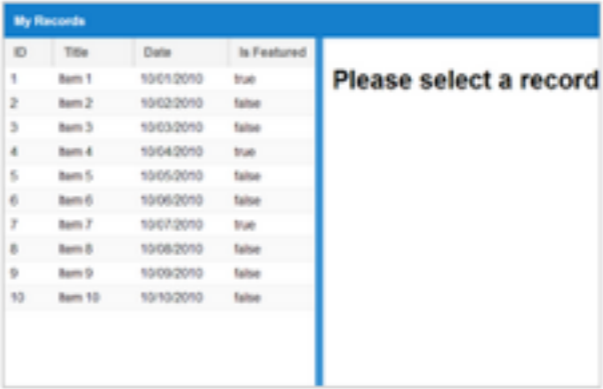


Login and register forms.

**MVC**



**Master/Detail**

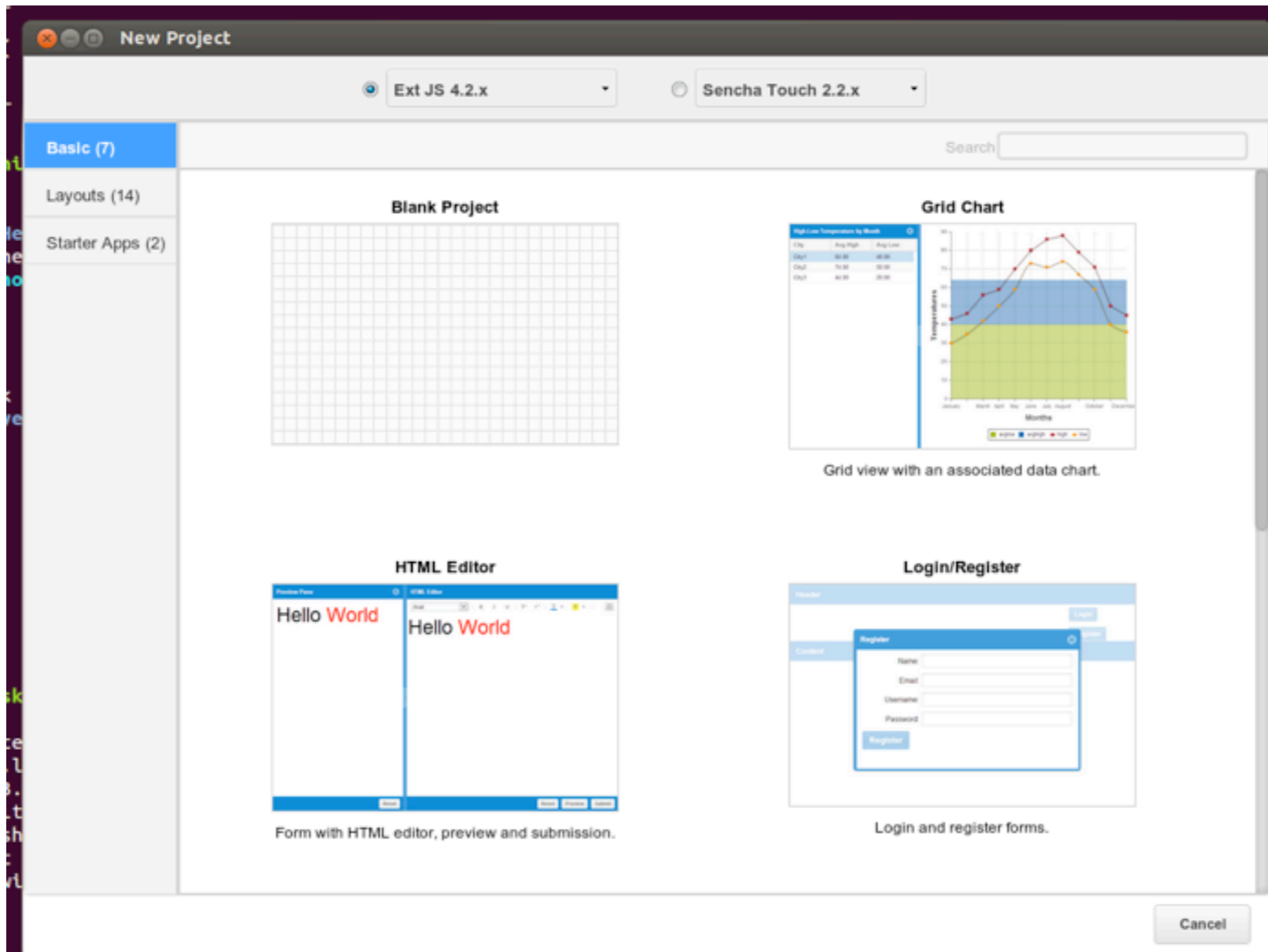


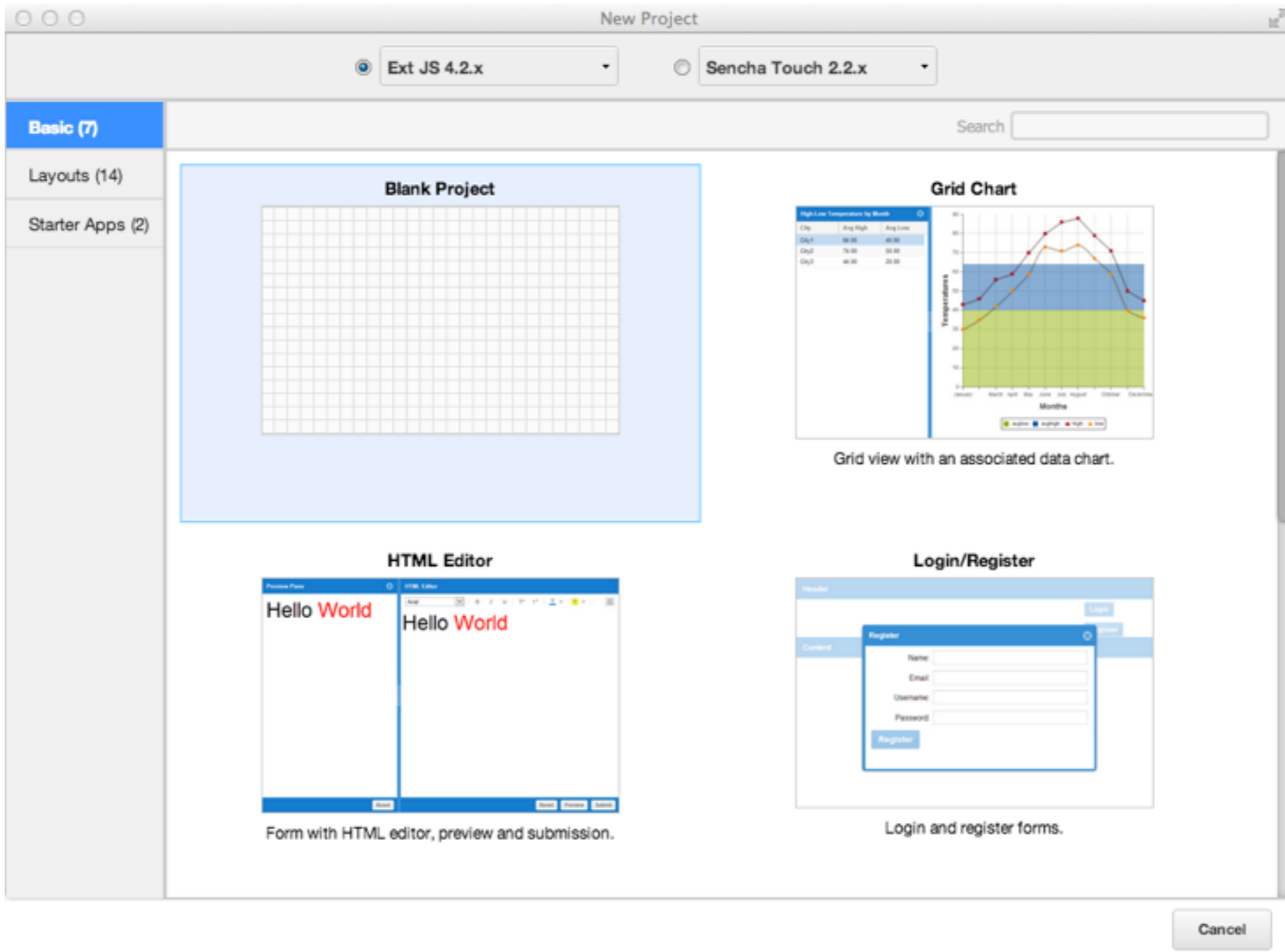
ID	Title	Date	Is Featured
1	Item 1	10/01/2010	true
2	Item 2	10/02/2010	false
3	Item 3	10/03/2010	false
4	Item 4	10/04/2010	true
5	Item 5	10/05/2010	false
6	Item 6	10/06/2010	false
7	Item 7	10/07/2010	true
8	Item 8	10/08/2010	false
9	Item 9	10/09/2010	false
10	Item 10	10/10/2010	false

Please select a record

Cancel







# Sheer Nativeness of Architect

- **Performant**
- **Native dialogs and menus**
- **Keyboard shortcuts**
- **File system access**
- **Self contained packages**



**It owes all these points to  
Sencha Desktop Packager**

# Don't mind me

- **Architect ingredient list**
  - Sencha Ext JS
  - Regular Ol bleeding edge web tech
  - Sencha Desktop Packager APIs
  - High Fructose Corn Syrup



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# Performance

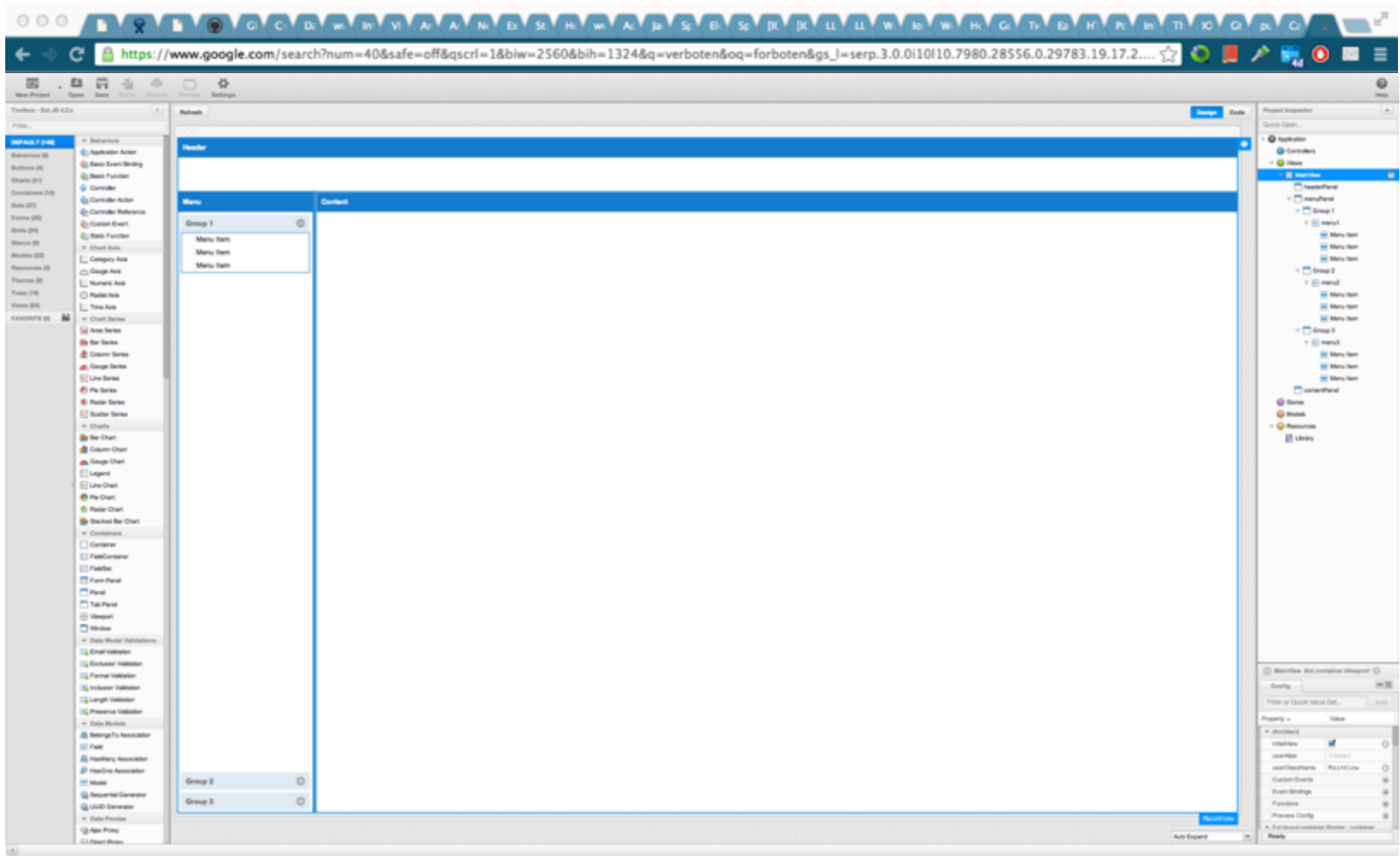




# Integration APIs

<http://docs.sencha.com/desktop-packager/1.2/>





AccordianMenu - Sencha Architect

New Project Open Save Build Publish Preview Settings Help

Toolbox - Ext JS 4.2.x

Filter...

DEFAULT (149)

- Behaviors (8)
  - Application Action
  - Basic Event Binding
  - Basic Function
  - Controller
  - Controller Action
  - Controller Reference
  - Custom Event
  - Static Function
- Chart Axis
  - Category Axis
  - Gauge Axis
  - Numeric Axis
  - Radial Axis
  - Time Axis
- Chart Series
  - Area Series
  - Bar Series
  - Column Series
  - Gauge Series
  - Line Series
  - Pie Series
  - Radar Series
  - Scatter Series
- Charts
  - Bar Chart
  - Column Chart
  - Gauge Chart
  - Legend
  - Line Chart
  - Pie Chart
  - Radar Chart
  - Stacked Bar Chart
- Containers

FAVORITE (3)

Refresh

Design Code

Header

Menu Content

Group 1

- Menu Item
- Menu Item
- Menu Item

Group 2

Group 3

MainView

Auto Expand

Project Inspector

Quick Open...

- Application
  - Controllers
  - Views
    - MainView
      - headerPanel
      - menuPanel
        - Group 1
          - menu1
            - Menu Item
            - Menu Item
            - Menu Item
          - Group 2
            - menu2
              - Menu Item
              - Menu Item
              - Menu Item
            - Group 3
              - menu3
                - Menu Item

MainView Ext.container.Viewport

Config

Filter or Quick Value Set... Add

Property	Value
(Architect)	
initialView	<input checked="" type="checkbox"/>
userAlias	{none}
userClassName	MainView
Custom Events	+
Event Bindings	+
Functions	+
Process Config	+
Ext.layout.container.Border : container	
Ready	

# Native API Skim

- **Window Management**
- **Filesystem access**
- **Filesystem watching**
- **Process control**
- **MenuBar and Menu**
- **Dialogs**
- **And more**

# Security

**I see  
Architect code  
everywhere**

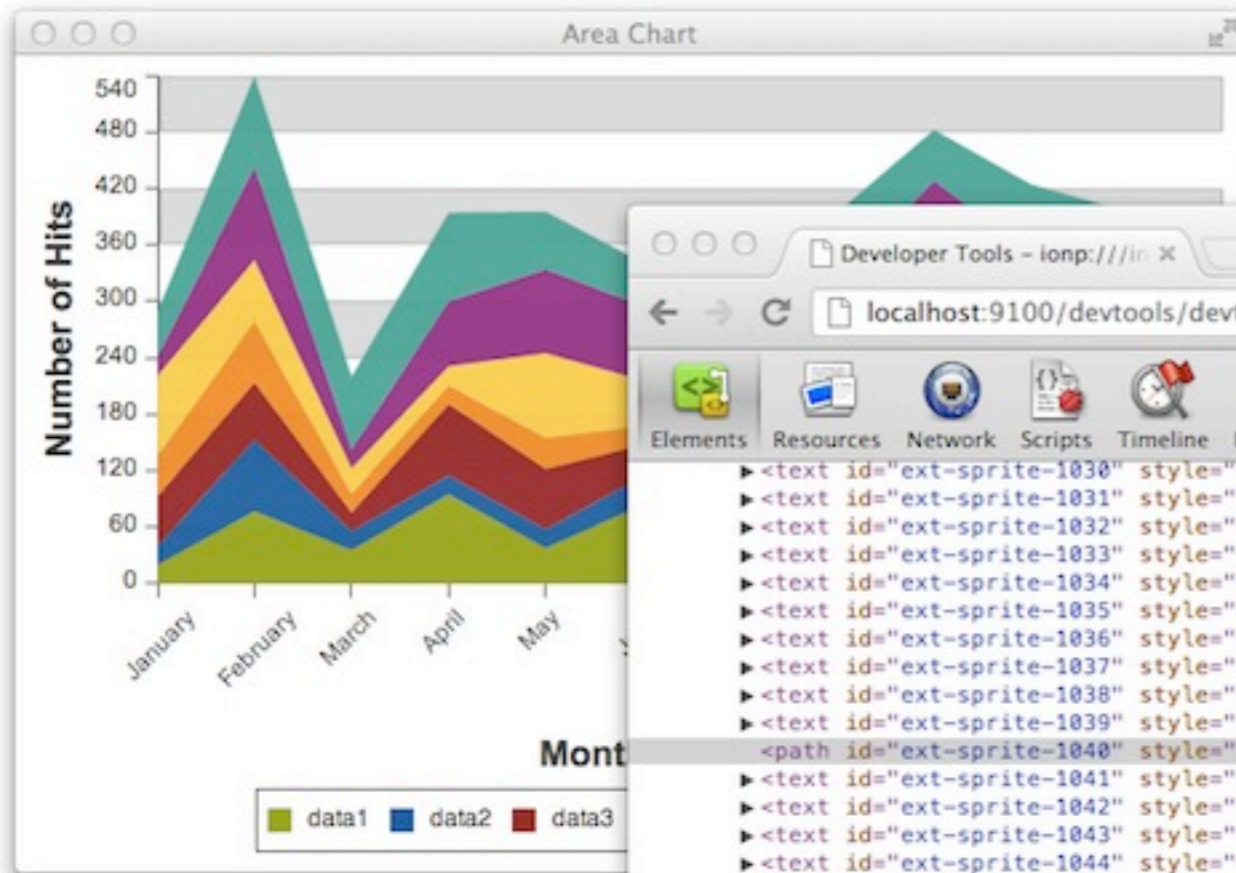


**And then some**



# HTML





Developer Tools - ionp:///in x

localhost:9100/devtools/devtools.html?ws=localhost:9100/devtools/pag...

Search Elements

Elements Resources Network Scripts Timeline Profiles Audits Console

```

▶ <text id="ext-sprite-1030" style="-webkit-
▶ <text id="ext-sprite-1031" style="-webkit
▶ <text id="ext-sprite-1032" style="-webkit
▶ <text id="ext-sprite-1033" style="-webkit
▶ <text id="ext-sprite-1034" style="-webkit
▶ <text id="ext-sprite-1035" style="-webkit
▶ <text id="ext-sprite-1036" style="-webkit
▶ <text id="ext-sprite-1037" style="-webkit
▶ <text id="ext-sprite-1038" style="-webkit
▶ <text id="ext-sprite-1039" style="-webkit
▶ <path id="ext-sprite-1040" style="-webkit-
▶ <text id="ext-sprite-1041" style="-webkit
▶ <text id="ext-sprite-1042" style="-webkit
▶ <text id="ext-sprite-1043" style="-webkit
▶ <text id="ext-sprite-1044" style="-webkit
▶ <text id="ext-sprite-1045" style="-webkit-

```

Computed Style  Show inherited

Styles

```

element.style {
  -webkit-tap-highlight-color: rgba(0, 0, 0, 0.5);
}

```

Matched CSS Rules

```

.x-border-box, .x-border-box * ext-all.css:1
{
  box-sizing: border-box;
  -moz-box-sizing: border-box;
  -ms-box-sizing: border-box;
  -webkit-box-sizing: border-box;
}

```

path[Attributes Style] {

html #ext-gen1009 #chartCmp svg#ext-gen1020 path#ext-sprite-1040

```

> Ion.ui.mainWindow.geometry
  Object
    height: 430
    width: 614
    x: 41
    y: 80

```

<top frame> All Errors Warnings Logs

QuakeForlon

QuakeForlon

60.39 fps

```
WireframeGIContext.java
server
shared
  client
  common
  Compiling permutation 0...
  Compiling permutation 1...
  Compiling permutation 2...
  Compiling permutation 3...
  Compiling permutation 4...
  Compiling permutation 5...
```

```
lerImpl.java - Eclipse - /Users/co
GwtResourceLoad
ResourceLoader.Callback callba
() {
  xhr) {
    : ". + path + "\n");
  ow) {
    ySequenceNumber + ": " + path..
  ) - != 0) - || - xhr.getResponseText
  enceNumber + ": " + path + ".s
  usText() + "\n");
  = " + xhr.getStatus());
  ceNumber + ": " + path + "\n")
Console Search Deve
```

**Wicked!**

# One code base



# Download Sencha Architect



## Download a 30-day Trial of Sencha Architect

Sencha Architect is a desktop application that helps you create

### Recommended Download

 Version 2.2.2 for Mac

[Download Now](#) 

### Other Platforms



Linux 64-bit



Windows



Linux 32-bit

**Natify your app!**

```
{
  "organizationName": "Sencha",
  "applicationName": "Hello World",
  "applicationIconPaths": ["HelloWorld.ico",
"HelloWorld.icns"],
  "versionString": "1.0",
  "outputPath": "HelloWorld",
  "webAppPath": "src/",
  "settings": {
    "remoteDebuggingPort": 9123,
    "mainWindow": {
      "autoShow": true
    }
  }
}
```



**Time to do**

**Where to?**







# Chrome Frame 2009-2014

**Try it**

# Pricing



**\$499**



**\$695**

1y Support



<http://www.sencha.com/products/desktop-packager/>



**Free 30 day trial**



<http://www.sencha.com/products/desktop-packager>



**The desktop is not a foreign  
battlefield**

**It's yours for the taking**

# Take the Survey!

- Session Survey
  - Available on the SenchaCon mobile app
  - <http://app.senchacon.com>
- Be Social!
  - @SenchaCon
  - #SenchaCon

