

# Design Bulletin

Lightening Design -vs- Carbon Design

August 25 • Ciarán Duffy

Agenda

- ◆ **Lightening Design Summary**
- ◆ **Patient Chart 1**
  
- ◆ **Carbon Design Summary**
- ◆ **Patient Chart 2**
  
- ◆ **Comparison**
- ◆ **Recommendations**

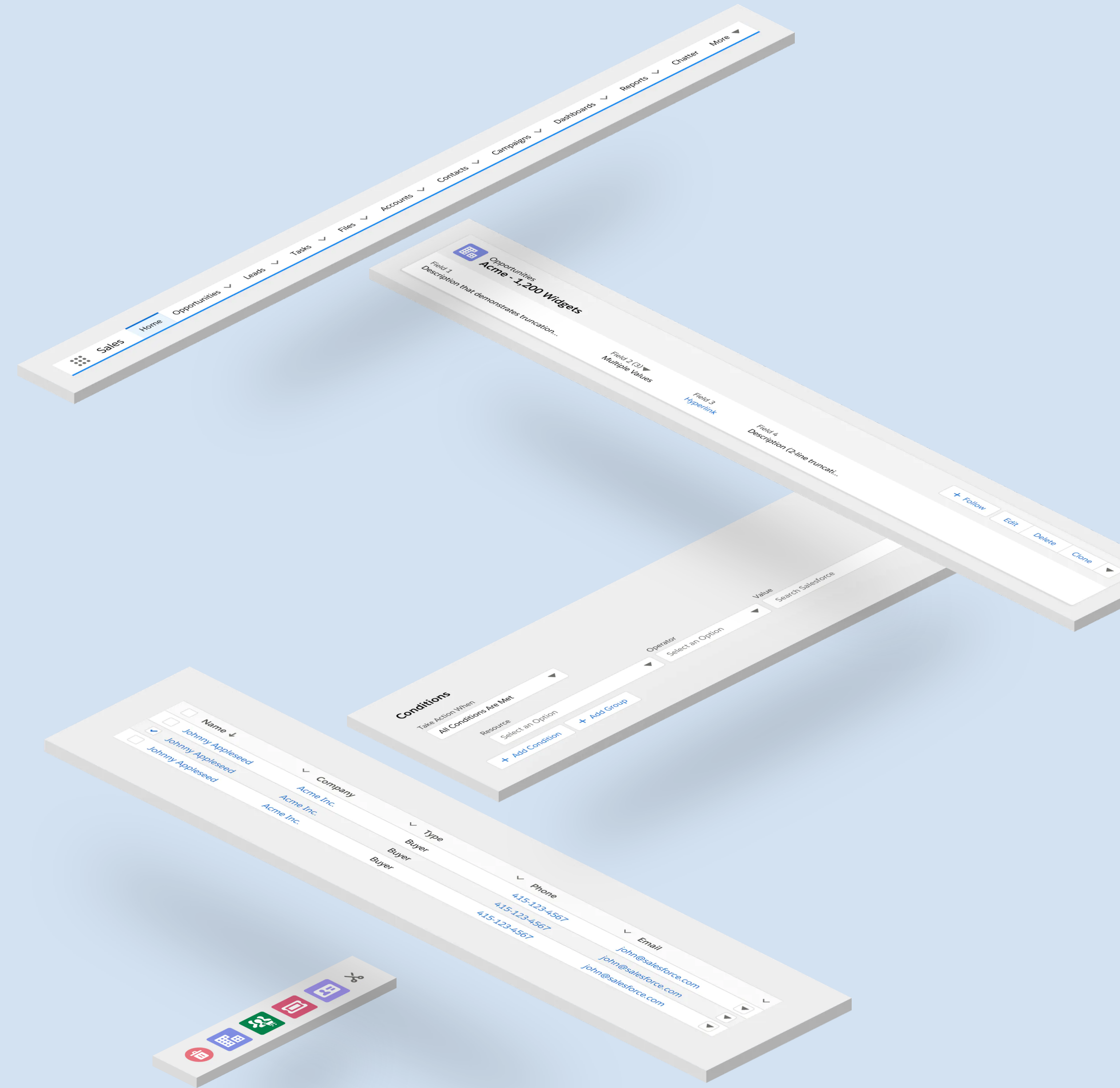
# Lightening Design



# Lightning Design Components

## Pros

- Compact. Easy to show a lot of info at once
- Large library of components
- Already high-fidelity designs





Joshua Mitchell

### Salesforce Sans font license clarification

I've been evaluating the possibility of using SLDS for non-Salesforce intranet apps to provide a consistent user experience within our company. The licenses for the stylesheet and icons are permissive, but the font license seems to prohibit that kind of use:

<https://www.lightningdesignsystem.com/assets/fonts/License-for-font.txt>

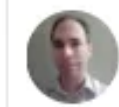
#### 1. License Grant

Subject to the terms of this Agreement and any other applicable Salesforce terms, conditions, and acceptable use policies (AUPs), We hereby grant to You a revocable, non-transferable, non-exclusive, and non-sublicenseable limited license to, without modification, reproduce and use the Font solely to create applications with the Salesforce Lightning Design System **that run in Salesforce or on a Salesforce platform** (e.g., Lightning, Heroku, Visualforce) ("Applications").

The bolded part suggests that I can't use it with a web app that runs on, for example, Windows Server, and would need to use an alternate font.

Is that an accurate reading of the license?

November 21, 2018 · Answer · Like 0 · Follow 0



Amnon Kravi

I'd say you have the right idea. You can basically use the font so long as it's on an application running on Salesforce or its child services like Heroku.

November 21, 2018 · Like 1 · Reply 0

Write an answer or comment...

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## Lightning Design

Library

## Cons

- Proprietary icons and font
- High-fidelity designs → difficult to theme / appropriate
- Components are not easy to adapt, e.g. data tables

**Let's see some screens...**





# Lightening Design Screens

## Patient Chart

- Global Navigation uses up a lot of space
- ...
- ...

100GEJ  
**Wilson, John**

DOB: 04 - Apr - 1972 | Age: 43 years | Gender: Male | Address: Ali Bhai Centre 233-A, Block-2, Sindh | Area: Karachi | Postcode: n / a | Telephone Number: +349 1568 2394

**Summary** | Results | Conditions

Vitals [Add](#)

Date ↓	BP (mmHg)	Rate (bpm)	Oxygen (%)	Temp (°C)
12 - Apr - 2019	160 / 100	60	67	37
02 - Jun - 2018	38 / 69	53	89	37.5
02 - Jan - 2017	30 / 140	59	66	36.8
31 - Dec - 2016	30 / 152	69	62	37
22 - Mar - 2015	142 / 120	65	71	36.6

[← Previous](#) | Page 1 of 5 | [Next →](#)

Active Medications [Add](#)

Name	Doseage	Details
Aspirin	81 mg	Tablet, oral, twice daily
Seritide	100 mg	1 puff, twice daily

Height & Weight [Add](#)

Date ↓	Weight (kg)	Height (cm)	BMI
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31 - Dec - 2016	61	170	130.1
22 - Mar - 2915	61.2	170	132

[← Previous](#) | Page 1 of 5 | [Next →](#)

Orders | **Visits** | Programs

Previous Visits [Add](#)

Date	Details
11 - Jan - 2019	Check-up
12 - Feb - 2018	Attachment and sev..
25 - Apr - 2017	Outpatient clinic
12 - Feb - 2017	Attachment and sev..
11 - Jan - 2017	Check-up
12 - Feb - 2016	Attachment and sev..
25 - Apr - 2015	Outpatient clinic



# Lightening Design Screens

## Patient Chart

- Global Navigation uses up a lot of space
- Hard to customise components
- ...

Search for a patient

OpenMRS Active Visits Register Patient Appointments Reports

100GEJ Wilson, John + Capture Vitals End Visit Admit as inpatient

DOB: 04 - Apr - 1972 Age: 43 years Gender: Male Address: Ali Bhai Centre 233-A, Block-2, Sindh Area: Karachi Postcode: n / a Telephone Number: +349 1568 2394

Summary Results Conditions

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← Previous Page 1 of 5 Next →

Orders Visits Programs

Previous Visits Add

Date	Details
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25 - Apr - 2015	Outpatient clinic





# Lightening Design Screens

## Patient Chart

- Global Navigation uses up a lot of space
- Hard to customise components
- Not convinced it's ideal for clinical context

OpenMRS interface showing patient information for John Wilson (100GEJ). The chart displays various sections including Vitals, Active Medications, and Height & Weight. The Vitals table is circled in orange.

Search for a patient

OpenMRS | Active Visits | Register Patient | Appointments | Reports

100GEJ Wilson, John | + Capture Vitals | End Visit | Admit as inpatient

DOB: 04 - Apr - 1972 | Age: 43 years | Gender: Male | Address: Ali Bhai Centre 233-A, Block-2, Sindh | Area: Karachi | Postcode: n / a | Telephone Number: +349 1568 2394

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← Previous | Page 1 of 5 | Next →

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Height & Weight | Add

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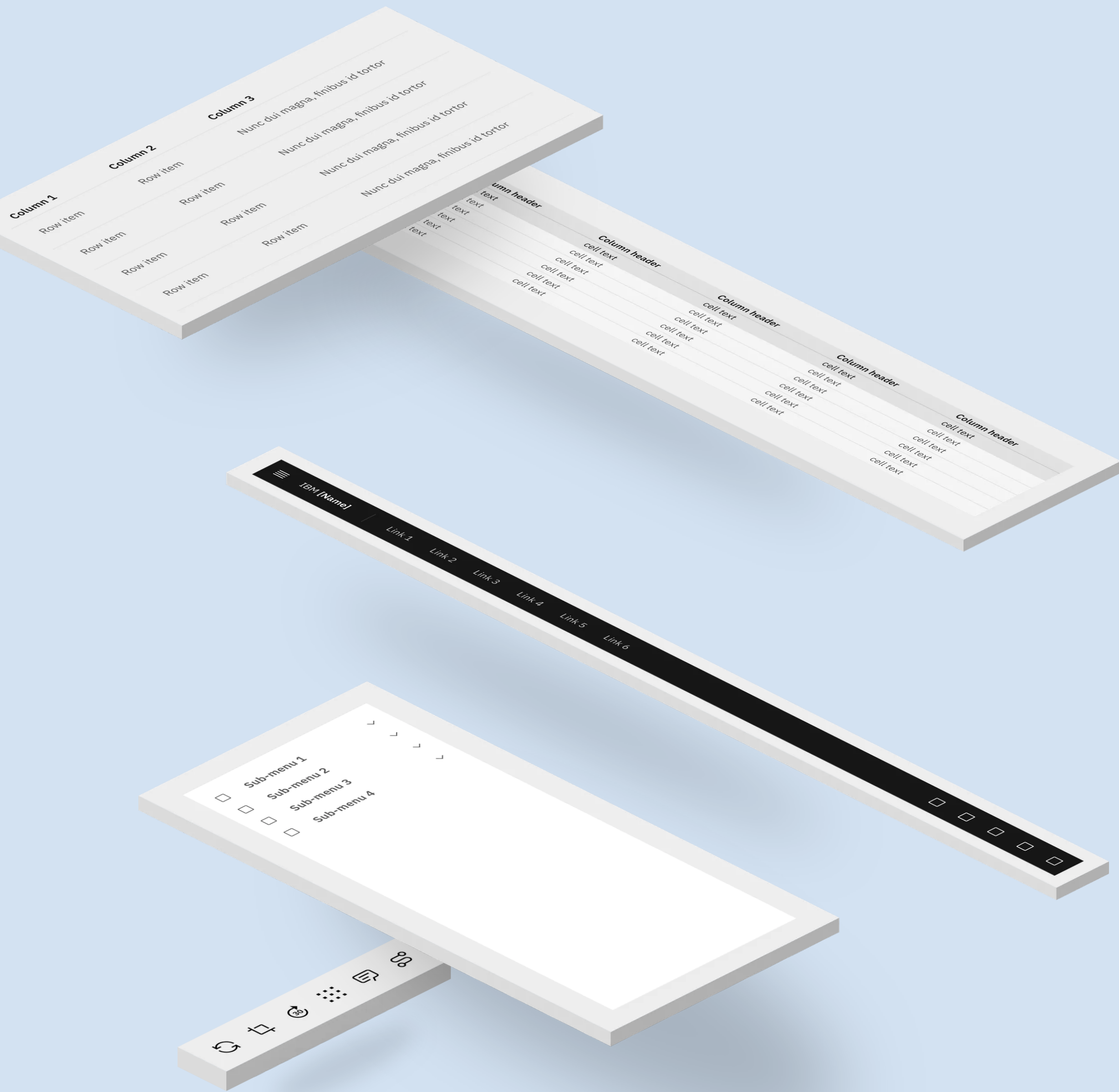
← Previous | Page 1 of 5 | Next →

Orders | Visits | Programs

Previous Visits | Add

Date	Details
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12 - Feb - 2018	Attachment and sev..
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# Carbon Design



## Carbon Design Components

### Pros

- Atoms and molecules, easy to adapt
- Good patterns for data, not exhaustive
- Entirely open source, fonts / icons
- Easy to theme



# Carbon Design System Components

## Cons

- Looks quite plain, out of the box



**Let's see some screens...**



OpenMRS | Active Visits | Register Patient | Appointments | Reports

Wilson, John | Outpatient | Capture Vitals

Date of Birth: 04 - Apr - 1972 | Gender: Male | Age: 48 years | Patient ID: 100GEJ | Show contact details

Summary | Results | Conditions | Orders | Visits | Programs

### Vitals

Date	BP (mmHg)	Rate (bpm)	Oxygen (%)	Temp (°C)
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5 / 25 items | 1 of 5 pages

### Active Medications

Name	Dosage	Details
Aspirin	81 mg	Tablet, oral, once daily
Seritide	100 mg	1 puff twice daily

2 / 2 items | 1 of 1 page

### Height & Weight

Date	Weight (kg)	Height (cm)	BMI
12 - Apr - 2019	55	171	128
02 - Jun - 2019	57	171	128
02 - Jan - 2017	58.8	171	128
31 - Dec - 2016	61	171	128
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5 / 10 items | 1 of 2 pages

### Allergies

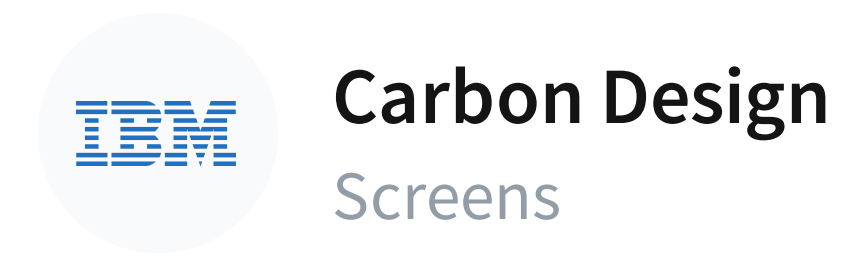
Allergen	Details
Peanuts	Mental status chan...
Cephalosporins	Rash (Moderate)

2 / 2 items | 1 of 1 page

### Immunizations

No Immunizations Recorded  
Add a Vaccine

0 / 0 items | 1 of 1 page



# Patient Chart

- Better, more adaptable navigation concepts
- ...
- ...
- ...



OpenMRS | Active Visits | Register Patient | Appointments | Reports

Active Visits / Outpatient Clinic / John Wilson / Wilson, John (Outpatient) [Capture Vitals]

Date of Birth: 04 - Apr - 1972 | Gender: Male | Age: 48 years | Patient ID: 100GEJ | Show contact details

Summary | Results | Conditions | Orders | Visits | Programs

**Vitals** [Add]

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2 / 2 items | 1 of 1 page

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5 / 10 items | 1 of 2 pages

**Allergies** [Add] | **Immunizations** [Add]

Allergen	Details
Peanuts	Mental status chan...
Cephalosporins	Rash (Moderate)

2 / 2 items | 1 of 1 page

Date	Vaccine
No Immunizations Recorded [Add a Vaccine]	

0 / 0 items | 1 of 1 page

**Visits** [Add]

Date	Details
12 - Apr - 2019	Check-up
02 - Jun - 2019	Attachment and severe respi...
02 - Jan - 2017	Fever
31 - Dec - 2016	Outpatient Clinic
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13 - Jul - 2014	Patient presnted with a mi...
16 - Jun - 2014	Allergy test
12 - May - 2014	Fever and common col...



## Carbon Design Screens

# Patient Chart

- Better, more adaptable navigation concepts
- Easy to create a custom data table with atoms
- ...
- ...

**Wilson, John** (Outpatient) Capture Vitals

Date of Birth: 04 - Apr - 1972 | Gender: Male | Age: 48 years | Patient ID: 100GEJ [Show contact details](#)

**Vitals** [Add](#)

Date	BP (mmHg)	Rate (bpm)	Oxygen (%)	Temp (°C)
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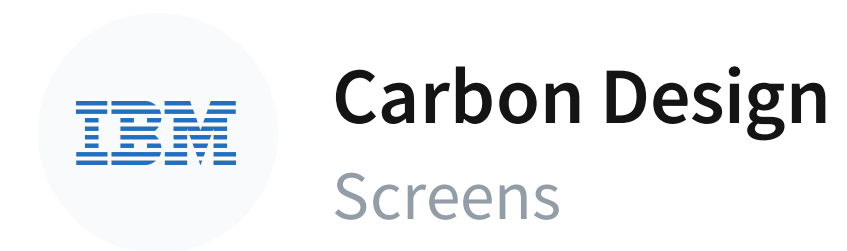
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0 / 0 items | 1 of 1 page

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- Easy to create a custom data table with atoms
- Can explore new concepts, 'outside' of the guidelines
- ...

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Active Visits / Outpatient Clinic / John Wilson / Wilson, John (Outpatient) [Capture Vitals]

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Summary | Results | Conditions | Orders | Visits | Programs

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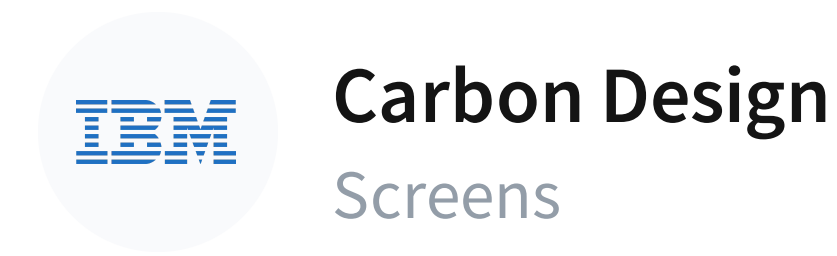
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0 / 0 items | 1 of 1 page

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# Patient Chart

- Better, more adaptable navigation concepts
- Easy to create a custom data table with atoms
- Can explore new concepts, 'outside' of the guidelines
- 'Lighter', easier to highlight patterns, help users to make real-world decision-making



OpenMRS [Active Visits](#) [Register Patient](#) [Appointments](#) [Reports](#)

100GEJ **Wilson, John** [+ Capture Vitals](#) [End Visit](#) [Admit as inpatient](#)

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[← Previous](#) Page 1 of 5 [Next →](#)

Orders **Visits** Programs

**Previous Visits** [Add](#)

Date	Details
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OpenMRS [Active Visits](#) [Register Patient](#) [Appointments](#) [Reports](#)

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**Immunizations** [Add](#)

Date	Vaccine
No Immunizations Recorded <a href="#">Add a Vaccine</a>	

0 / 0 items | 1 v of 1 page

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**Thank you.**  
Over to you!