# Mobilizing the UI

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# It Works, but It Doesn't

The reports are great.
It's customized to our company.
I can't use the darn thing!

All of our customers are in there.
All of our inspections are in there.
It's soooooo slow!

# Overview

Introduction to mobile UI design

Converting the existing form

# Demo

**The Existing Inspection Form**

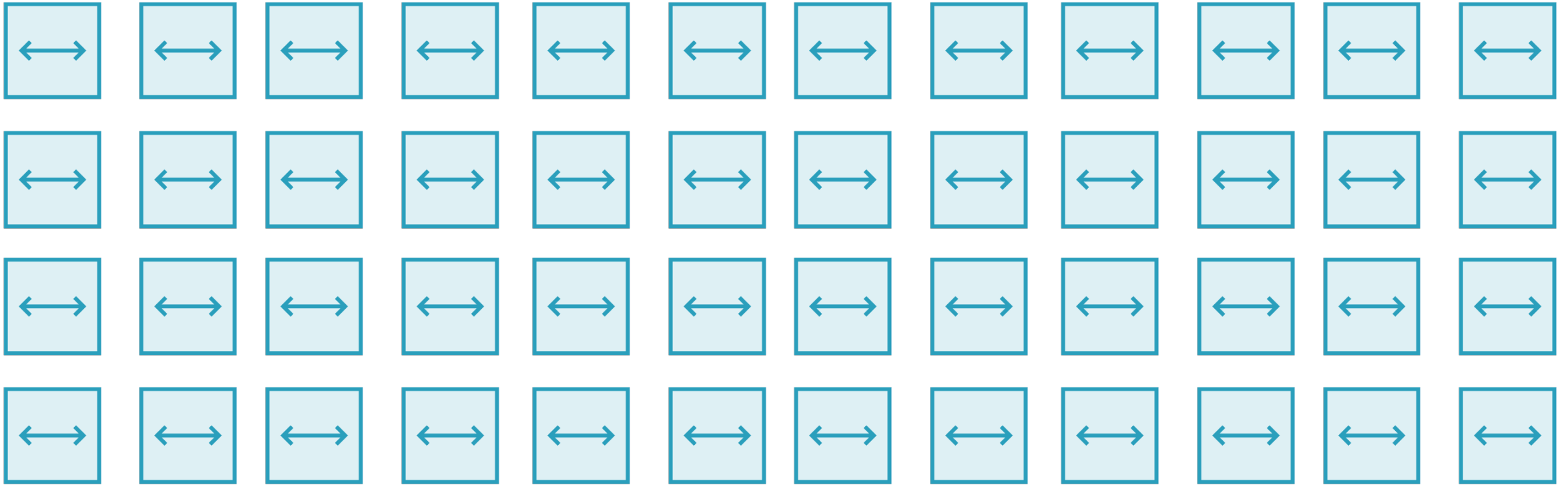# Demo

The Existing PHP Script

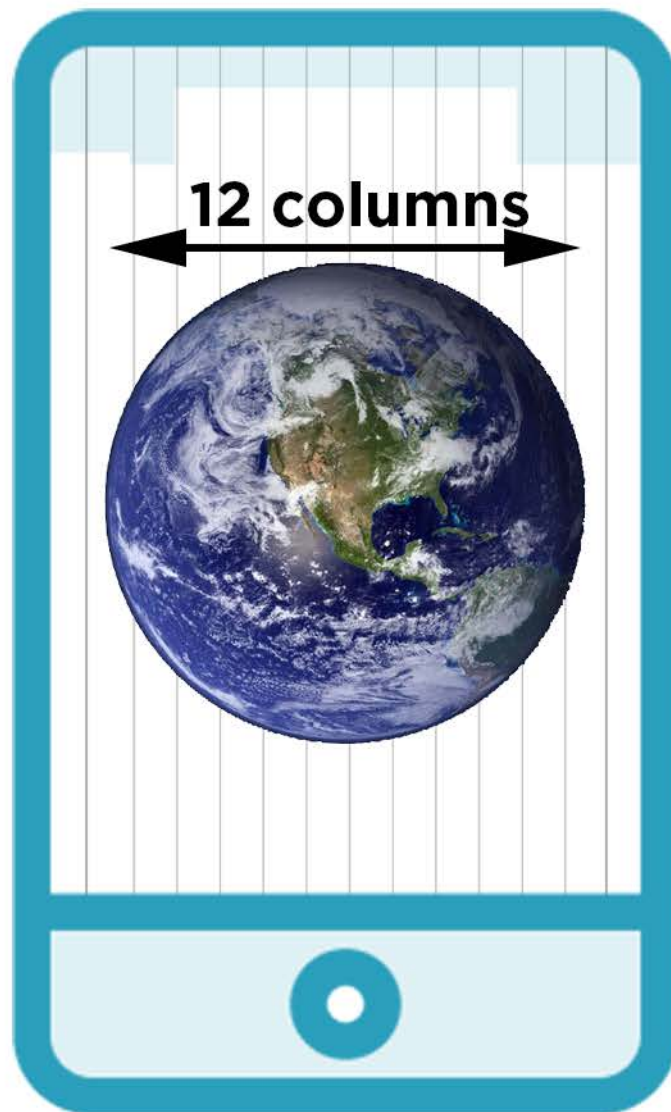# One File, Many Devices
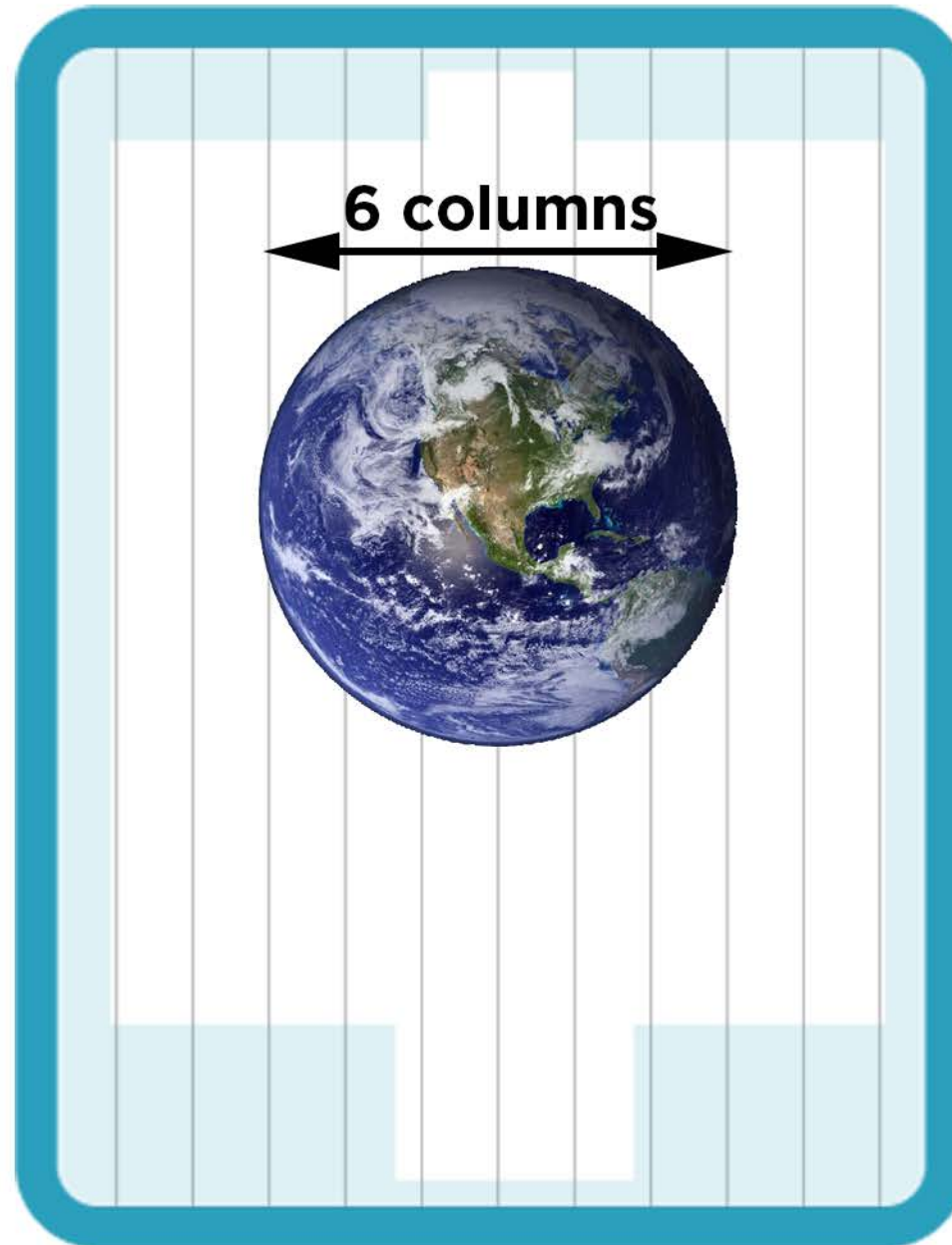
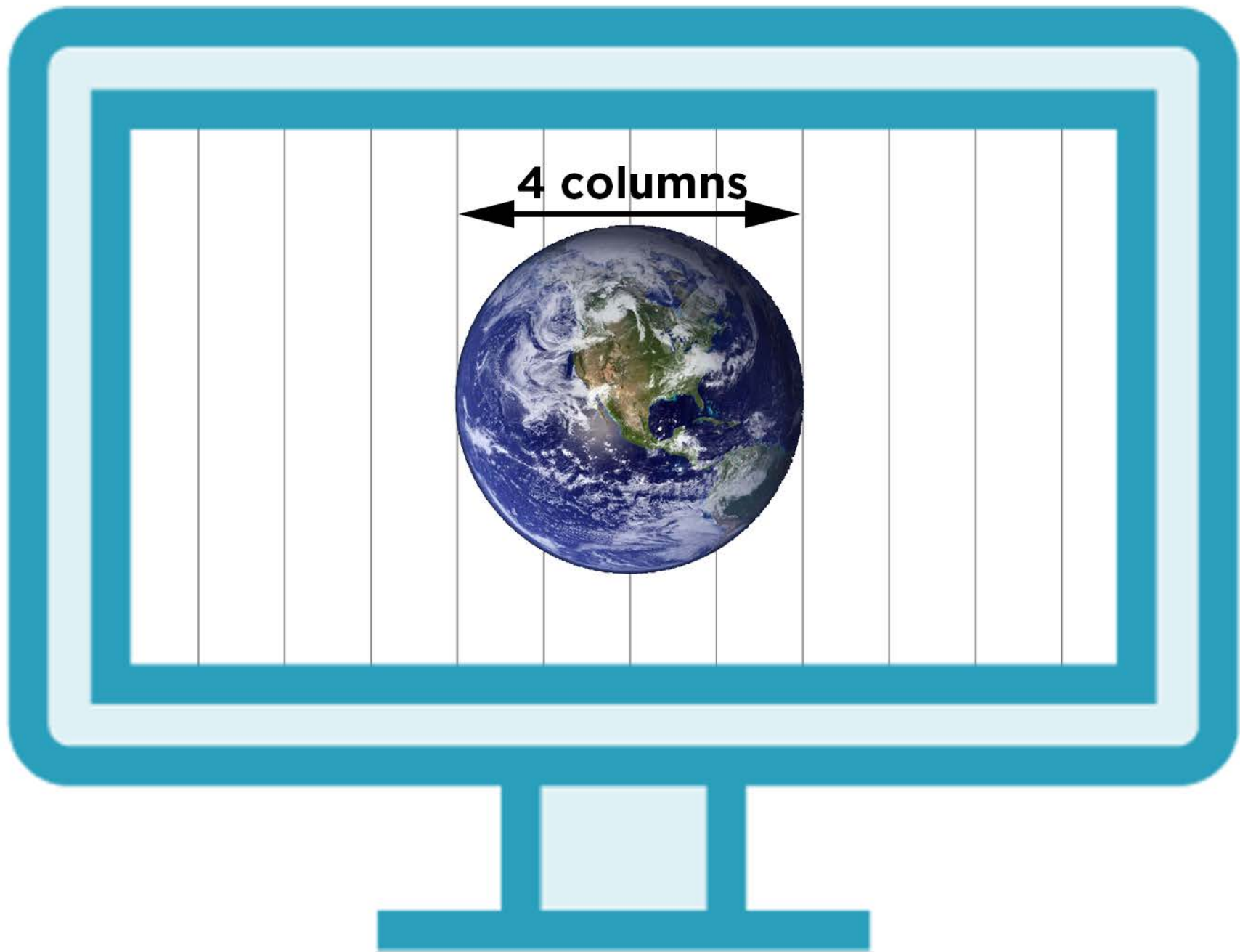# Introduction to Responsive Design



**"Content is like water"**

**1. Use relative units**

**2. CSS media queries**

**3. Flexible Grid**

# Flexible Grid Systems

12 columns
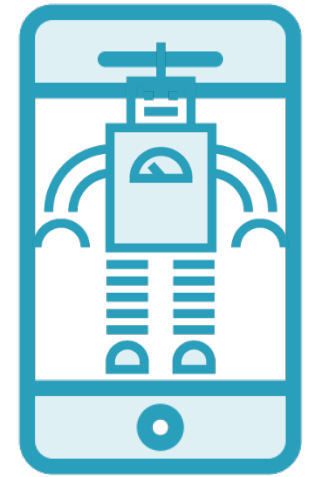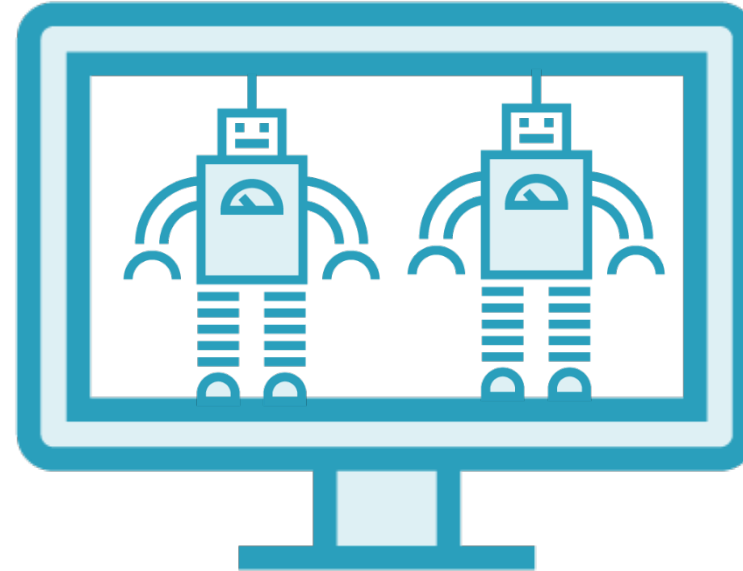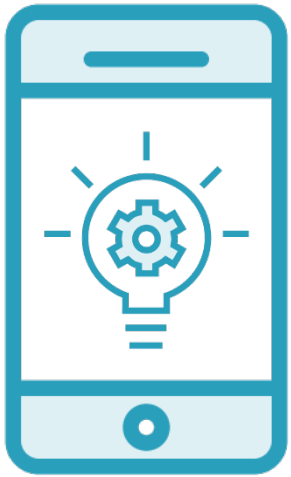
6 columns

4 columns

# Mobile First vs Desktop First

**Mobile First** | **Desktop First**

# Summary

Responsive design makes a web page work on multiple device widths.

Several techniques are used to create responsive designs.

Mobile first designs work on all sizes by designing for the smallest size first.

# Demo

**Making the existing form responsive**

Demo

**Expanding and collapsing sections**

# Summary

**Analysis of existing application**

**Responsive design**

**Mobile-optimizing a form**

# Demo

**Submitting Data with AJAX**

# Submitting in Offline and Online Modes

**Browser / Mobile Device**    **Server (aka "The Cloud")**

**Offline Mode**
JavaScript and
In-browser
storage

**Online Mode: AJAX**

php files
and
database