

# Adobe MAX 2014

## | MAX LAB SESSION L2737

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## Previewing & debug content across devices using Edge Inspect

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Edge Inspect is an essential application for web developers and designers who need to preview their content across multiple mobile devices. Wirelessly pair multiple iOS and Android devices to your computer, grab screenshots from any connected device, and see real-time results from changes to HTML and CSS.

## Preview & debug content across devices using Edge Inspect

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Join this hands-on lab to learn how to preview websites across devices and debug workflows while building a responsive website. The first part of the session helps you connect devices to set up a testing environment, and the later part of the session helps you preview and debug your web page.

### | OBJECTIVES

Device testing versus emulation.  
Setting up your own device testing environment.  
Setting up a live preview during development.  
Remotely debugging a device.  
Streamline and speed up review & testing workflows.

### | OUTLINE

#### **Setting up a testing environment**

1. Installing Edge Inspect
2. Connecting devices
3. Browsing synchronously across devices

#### **Live preview & remote debugging**

1. Remote debugging for devices
2. Using Weinre to debug HTML & CSS
3. Remote inspect with visual feedback
4. Using the Edge Inspect features
5. Browser testing for devices

#### **Screenshot & filing bugs**

1. Need for screenshots in reviews
2. Remote screenshots of devices
3. Device meta data to file bugs

#### **Edge Inspect with Brackets**

1. Installing Edge Inspect Brackets plug-in
2. Debugging for devices from Brackets

#### **Edge Inspect with Edge Reflow**

1. Preview content on devices
2. Debugging responsive designs for devices

#### **Sneak peak of what's next**

See what the team is working on for the next version of Edge Inspect.

## Notes, Doodles, Thoughts...

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## Setting up a testing environment

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In this exercise, we will take you through the process of downloading and installing Edge Inspect on your machines and devices in order to set up your own testing environment.

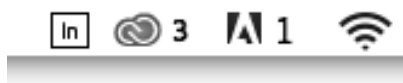
### | STEP 1: INSTALLING EDGE INSPECT

- Log into Creative Cloud with the Adobe ID you used to register for MAX.
- Install the Edge Inspect desktop app for Mac.
- Install the Google Chrome Edge Inspect extension from the App store.
- Install the Edge Inspect iPad app from the app store on your iPad.

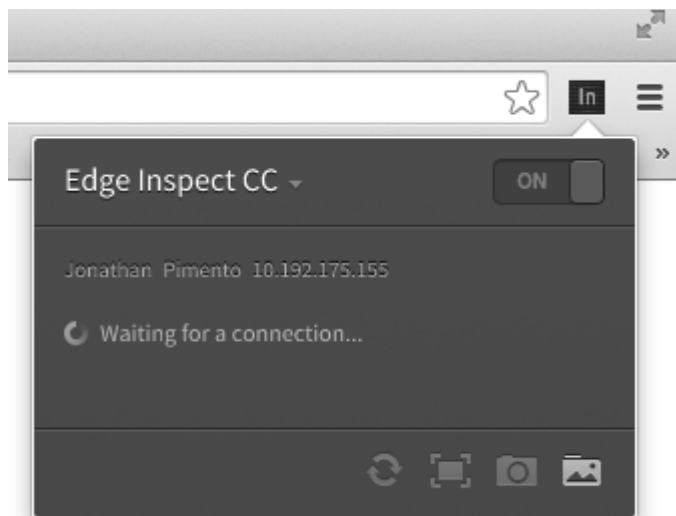
1. Launch the Edge Inspect desktop app



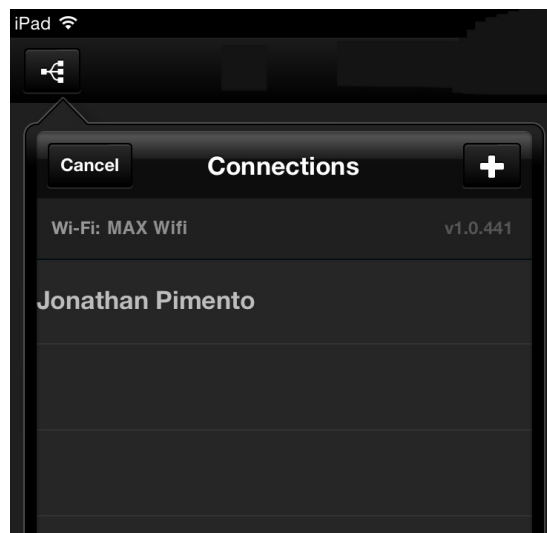
2. Edge Inspect desktop app running




3. Launch the Edge Inspect Chrome plug-in



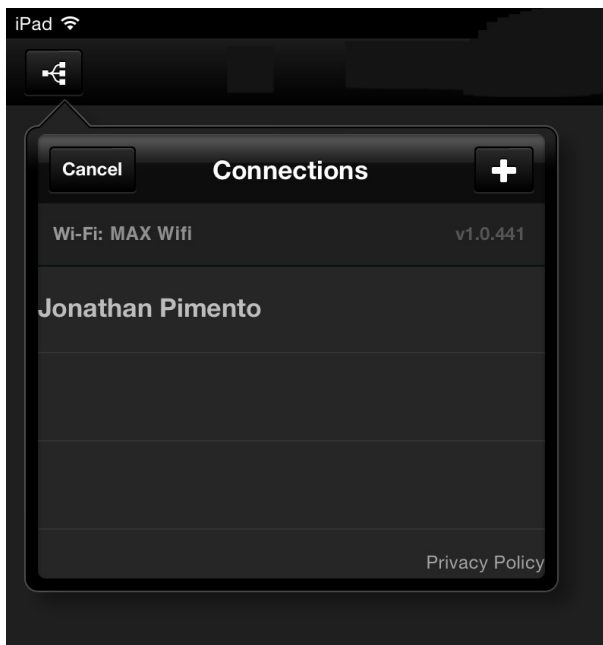
4. Launch the Edge Inspect iPad app



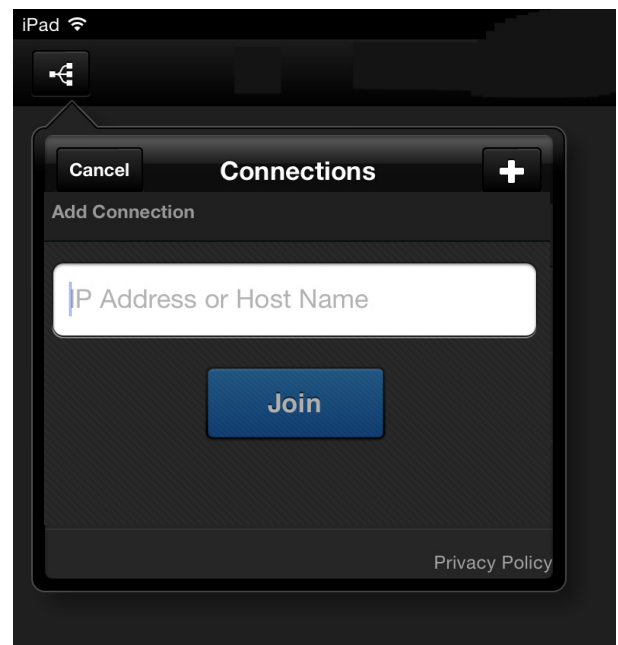
## | STEP 2: CONNECTING YOUR DEVICES

- Click the device menu icon  in the iPad app.
- Click the plus (+) icon to manually add a connection
- Enter the IP address from the Inspect Chrome extension into the iPad app
- The iPad app will generate a passcode
- Enter the passcode into the Chrome extension
- Now your iMac and iPad are connected via Edge Inspect

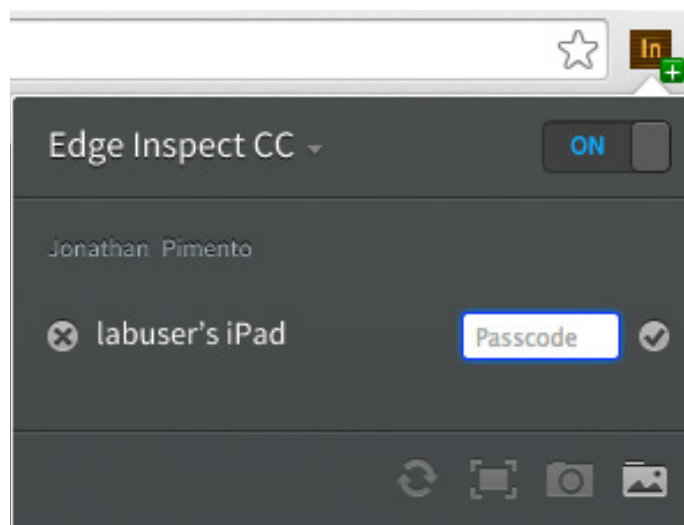
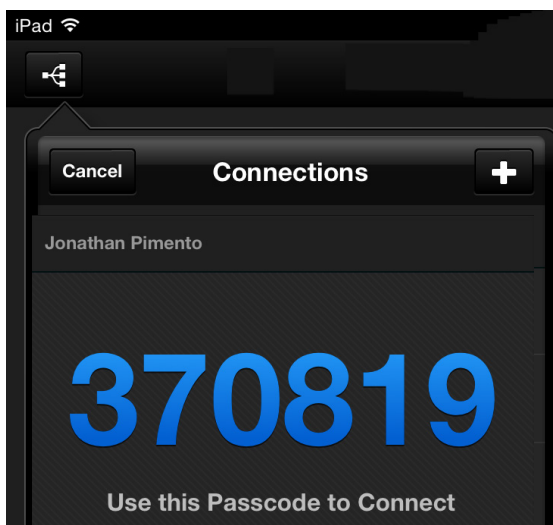
5. Adding a manual connection via the iPad app



6. Entering the IP address of the iMac



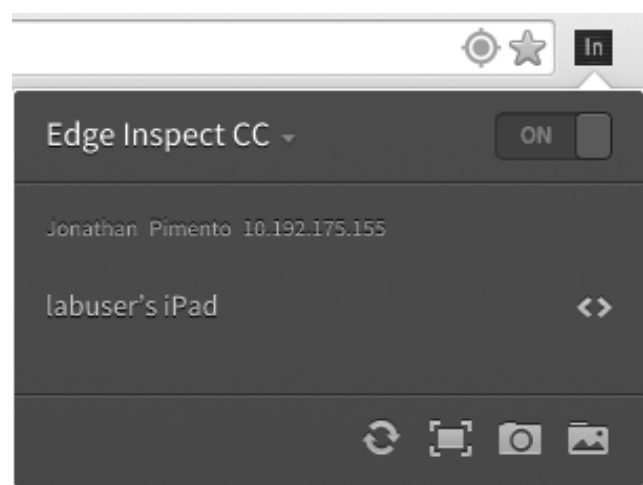
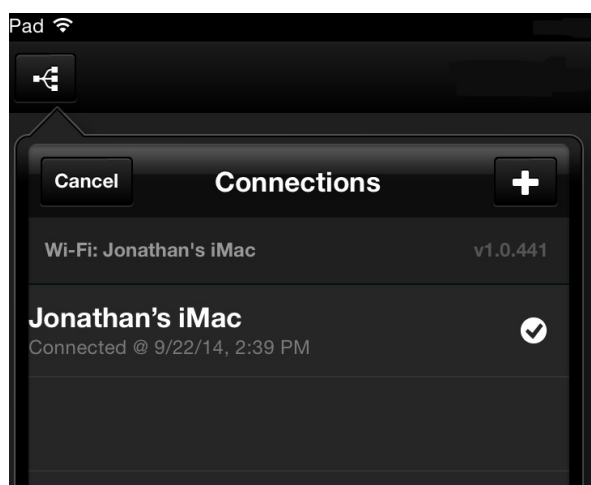
7. Connecting the devices using the passcode



### | STEP 3: SYNCHRONOUS BROWSING

- Navigate to the link in Chrome ( <http://www.syncpreview.com/test> )
- Observe that the devices load the same page
- Browse links in Chrome and observe how the connected devices follow links

8. The iPad and iMac are now connected to each other via Edge Inspect



## Notes, Doodles, Thoughts...

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## Live Preview & Remote Debugging

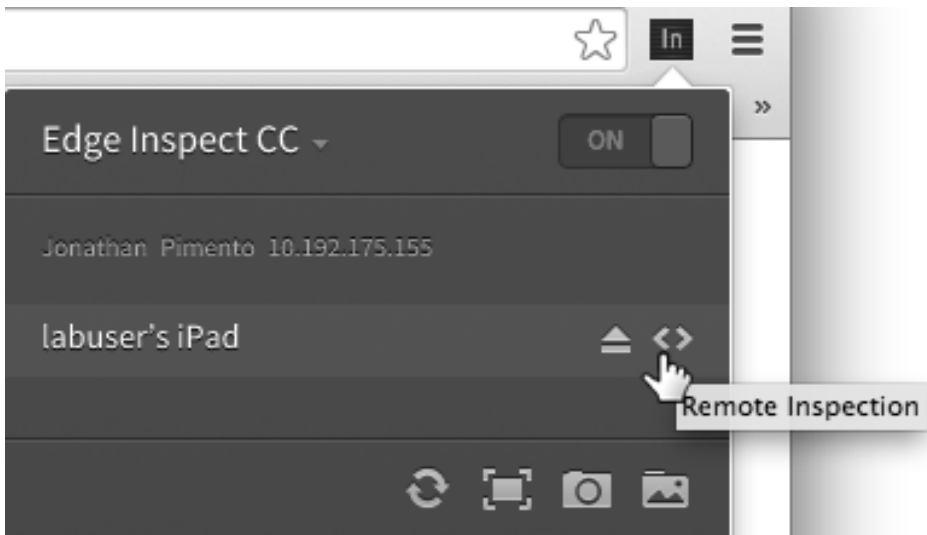
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In this exercise, we will take you through the process of viewing a web page on a connected device and remotely debugging it using Edge Inspect.

### | STEP 1: REMOTE DEBUGGING FOR IPAD

- Copy the folder “Digest” from Asset folder on the Desktop.
- Paste the folder at the following location - /Applications/XAMPP/xamppfiles/htdocs
- Navigate to - <http://localhost/Digest> to view the web page
- Click the Edge Inspect Chrome extension icon
- In the popup that appears, click the “Remote Inspection” icon

### 9. Launching “Remote Inspection” for the connected device (iPad)





## | STEP 2: USING WEINRE TO DEBUG REMOTELY

- In Weinre, click the device listed to fetch the device DOM
- Click the “Elements” tab to view the DOM structure
- Hover over the DOM structure and see the element highlight on the device

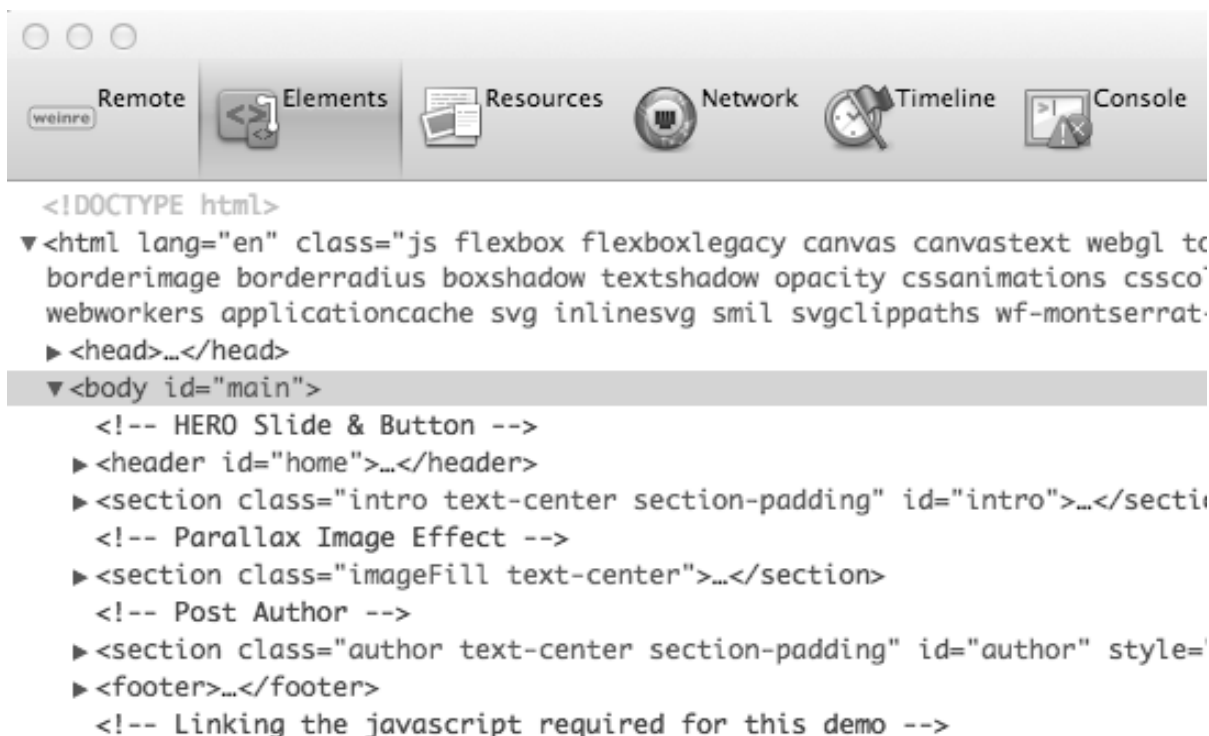
### 10. Select the device in Weinre



## Devices

- labuser's iPad – <http://10.192.175.155/MAX%20Lab%20Asset/>

### 11. Accessing the DOM structure in Weinre



## Debugging the iPad layout | EXERCISE

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In this exercise, we will take you through the process of editing a HTML page using remote debugging and change the layout of the web page for a specific device.

### | STEP 1: ALIGNING THE CONTENT IN THE CENTER

- Starting from the comment (Step 1), expand the DOM till you reach comment (Step 2)
- Select `<section class="heroContent">`
- Add a new CSS styles in the styles panel - `text-align:center;`

#### 1. Expanding the DOM after the first comment

```
*****

STEP 1 - Let's open this DOM Structure till the next comment with Step 2

*****
<header id="home">
  <section class="hero" id="hero">
    <!-- Image Credit : Stairs by Thomas Leuthard (http://www.imcreator.
com/free/cityscape/urban/stairs-2)-->
    <div class="container">
      <div class="row">
        <div class="col-md-6 text-left bookmarks">
```

#### 2. Selecting the element with class="heroContent"

```
*****

STEP 2 - Let's center this content for the iPad

Select the element : <section class="heroContent">

Add the following CSS property : text-align:center;

Continue expanding the DOM till you reach Step 3

*****
<section class="heroContent">
  <!-- Continue expanding DOM -->
```

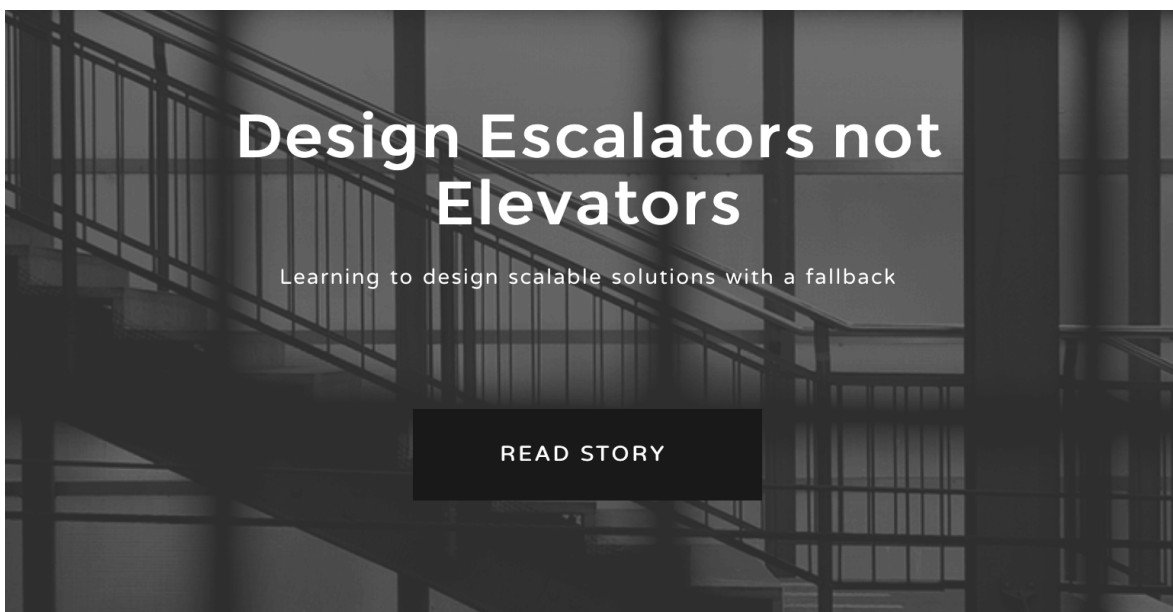
### 3. Adding the text-align CSS property



### 4. Original layout for the iPad



### 5. Change in layout after aligning the content to the center of the screen



## | STEP 2: ADJUSTING THE TITLE

- Continue expanding the DOM till you reach comment (Step 3)
- Select the <h1> tag
- Add the following CSS to change it's size - **font-size:32px;**

### 1. Select the <h1> tag

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STEP 3 - Adjust the title size

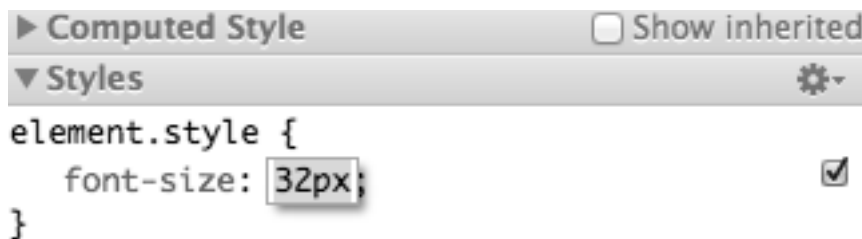
Select the <h1> tag

Add the following CSS property : font-size:32px;

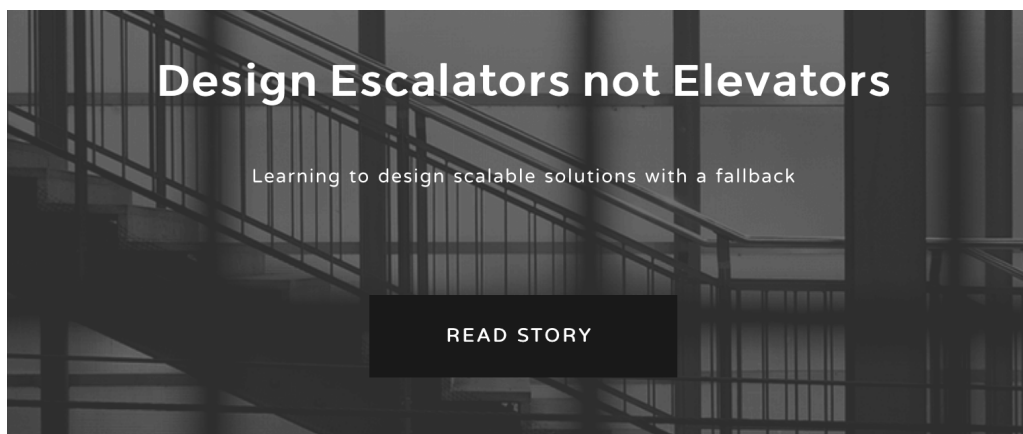
Continue expanding the DOM till you reach Step 4

\*\*\*\*\*  
<h1>Design Escalators not Elevators</h1>

### 2. Add the following CSS property : font-size:32px;



### 3. Preview after changing the title CSS



### | STEP 3: ADDING MORE CONTENT TO THE TAGLINE

- Select the <p> tag with content “Learning to design scalable solutions with a fallback”
- Double click the content to edit it
- Modify the text content
- Hit enter to commit the change

#### 1. Select the <p> tag with the content “Learning to design scalable solutions”

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STEP 4 - Let's add a bit more content to the tag line

Double click the content inside the <p> tag

Modify the content of the <p> tag

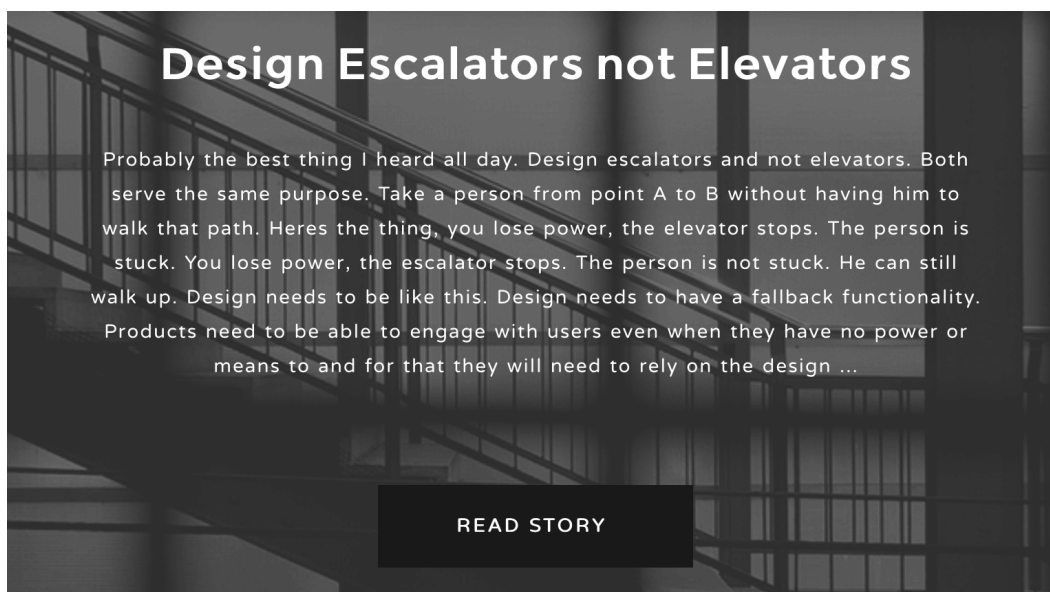
Hit enter to commit

End of exercise

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<p>Learning to design scalable solutions with a fallback</p>

#### 2. Preview the final changes after adding more content



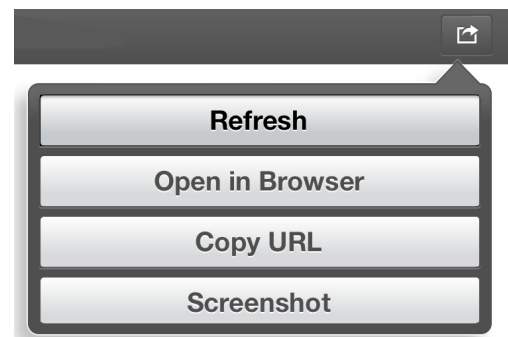
## | USING EDGE INSPECT FEATURES

- Using “Full Screen Toggle” to adjust the preview on devices
- Using “Refresh” to clear the cache
- Multiple devices versus refreshing a single device
- Preview in different browsers on the devices

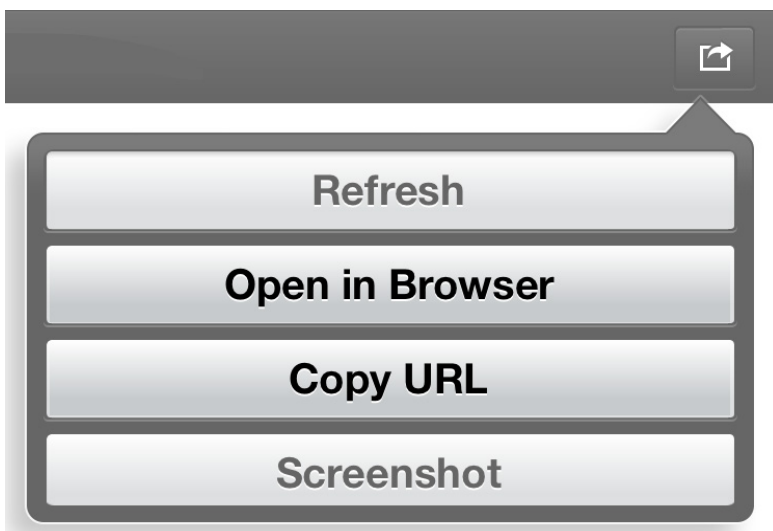
### 1. Using “Full Screen toggle” feature



### 2. Using the “Refresh” feature



### 3. Using the “Open in Browser” & “Copy URL” feature



## Notes, Doodles, Thoughts...

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## Screenshots & Filing bugs

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In this exercise, we will take you through the process of remotely capturing screenshots of devices by using the Edge Inspect screenshot feature, which will help speedup the review process with time stamps and device meta data as well.

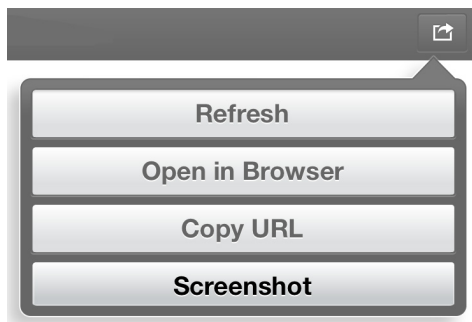
### | STEP 1: CAPTURING SCREENSHOTS FROM ALL CONNECTED DEVICES

- Click the Chrome Inspect extension icon
- Click the “Request Screenshot” (Camera) icon to take screenshots of all connected devices
- Click the “Open Folder Containing Screenshots” (Folder) icon to see the screenshots
- View the timestamps and device meta data in the associated text files

1. Request screenshots of all devices



2. Request screenshot of specific device



3. Access the screenshots folder on your



4. Device meta data & timestamps

```
device_model = iPad 3G WiFi
device_res = 1536x2048
orientation = portrait
os_name = iOS
os_version = 8.0
pixel_density = 264 ppi
request_id = 470a0acd-4ae5-4e1d-b3
status = Viewport
url = http://10.192.175.155/MAX%20
```



## Edge Inspect with Brackets | DEMO

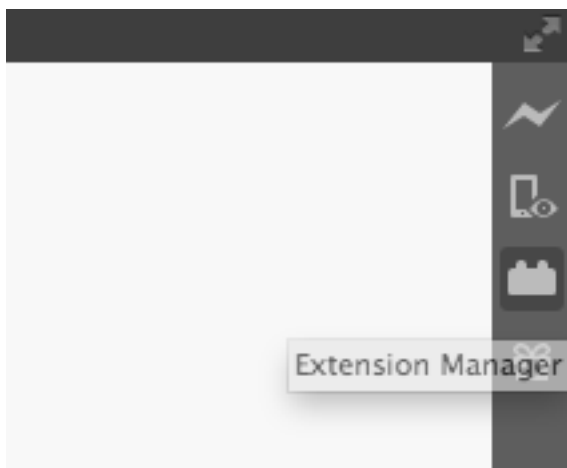
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In this exercise, we will take you through the process of previewing and debugging a page from within Brackets using the Edge Inspect extension.

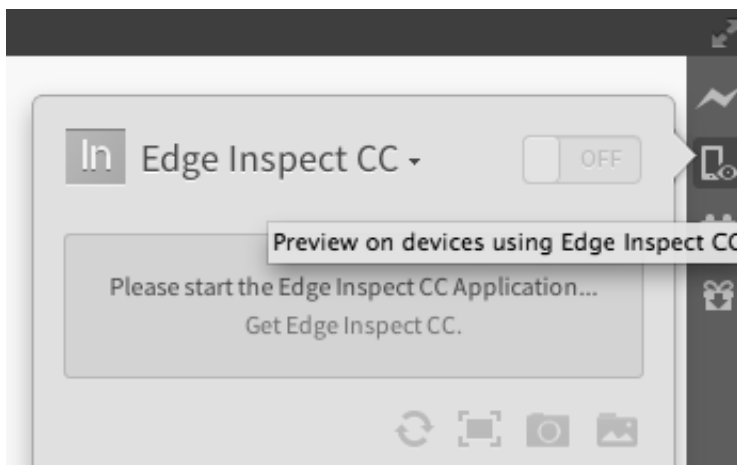
### | STEP 1: SETTING UP BRACKETS

- Download Brackets - [www.brackets.io](http://www.brackets.io)
- Install the Edge Inspect extension from within brackets using their extension manager
- Open the project folder in Brackets - `/Applications/XAMPP/xamppfiles/htdocs/Digest`

#### 1. Brackets Extension Manager



#### 2. Edge Inspect extension in Brackets



## Edge Inspect with Reflow | DEMO

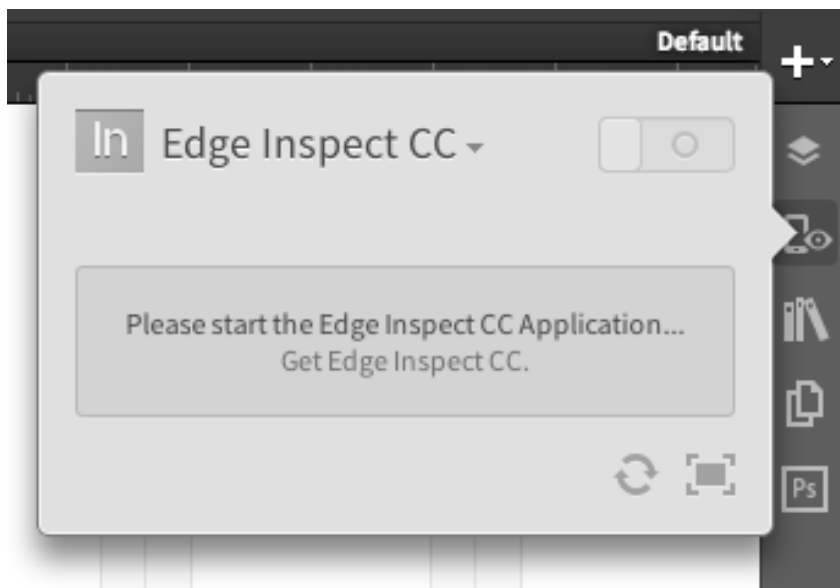
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In this exercise, we will take you through the process of previewing and testing your responsive design from within Edge Reflow.

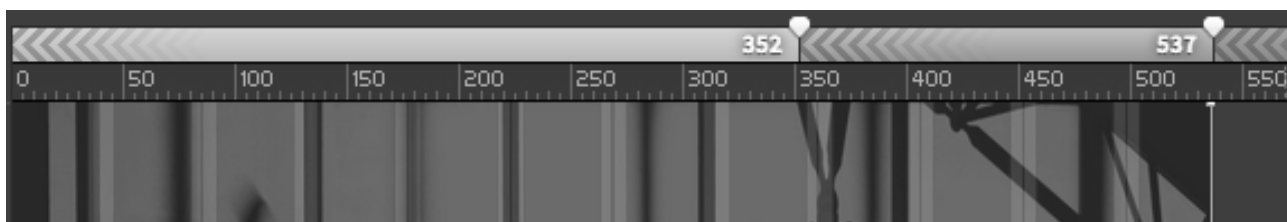
### | STEP 1: PREVIEWING CONTENT FROM REFLOW ON DEVICES

- Copy the folder “Reflow” from Asset folder on the Desktop.
- Turn on Edge Inspect from within Reflow
- Identify the media query applied for the connected device
- Make changes to the design in that media query and preview it on the device simultaneously

#### 1. Edge Inspect feature inside Reflow



#### 2. Selecting the right media query in Reflow



## Notes, Doodles, Thoughts...

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