Web Design VS Web Development

Made By

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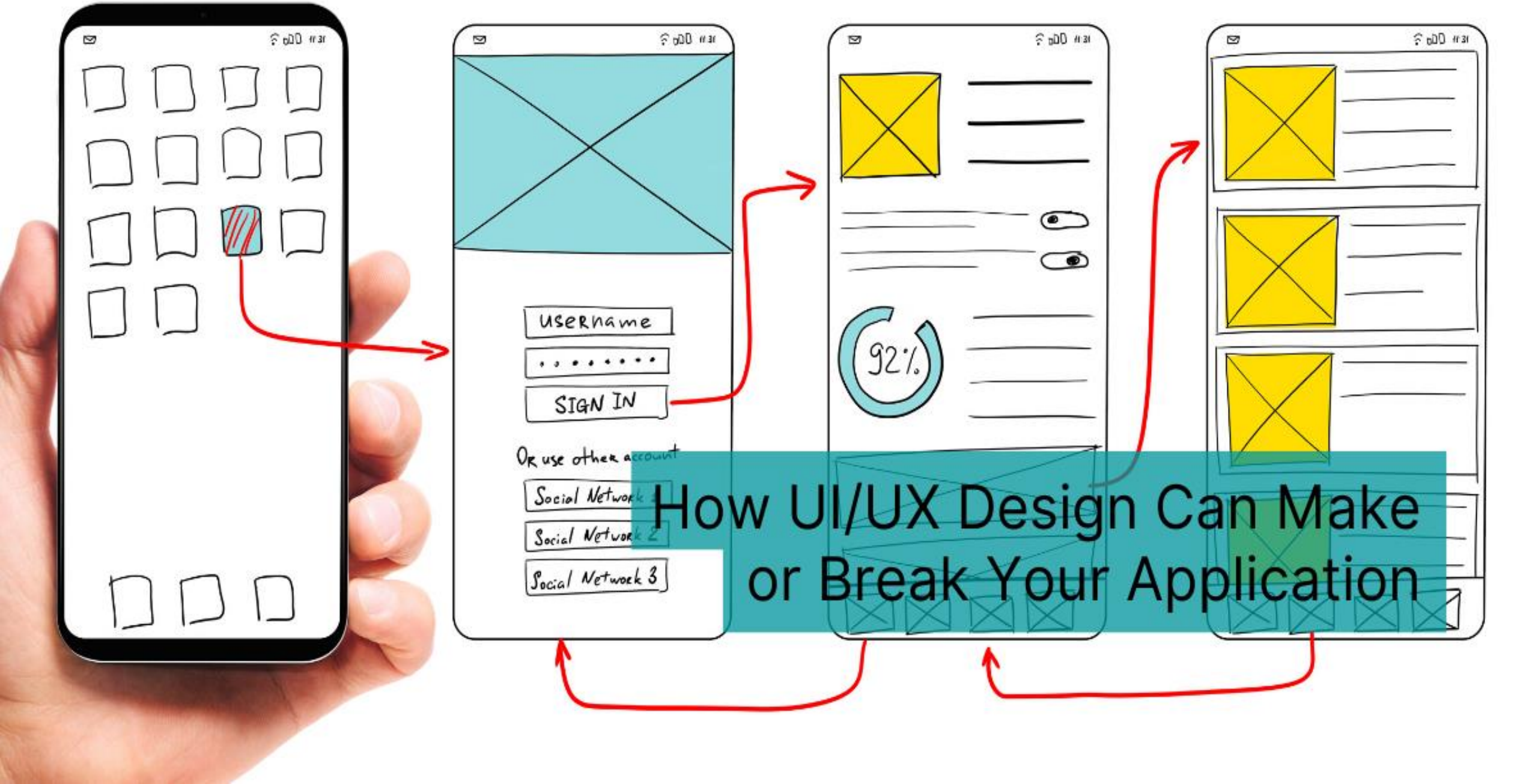
THE WEB ?!!

- ✓ What is websites and why we make it ?
- ✓ Where is my code ?
- ✓ What is the sections inside it ?
- ✓ How I work ?
- ✓ What do I need to start ?

Developers VS Designers

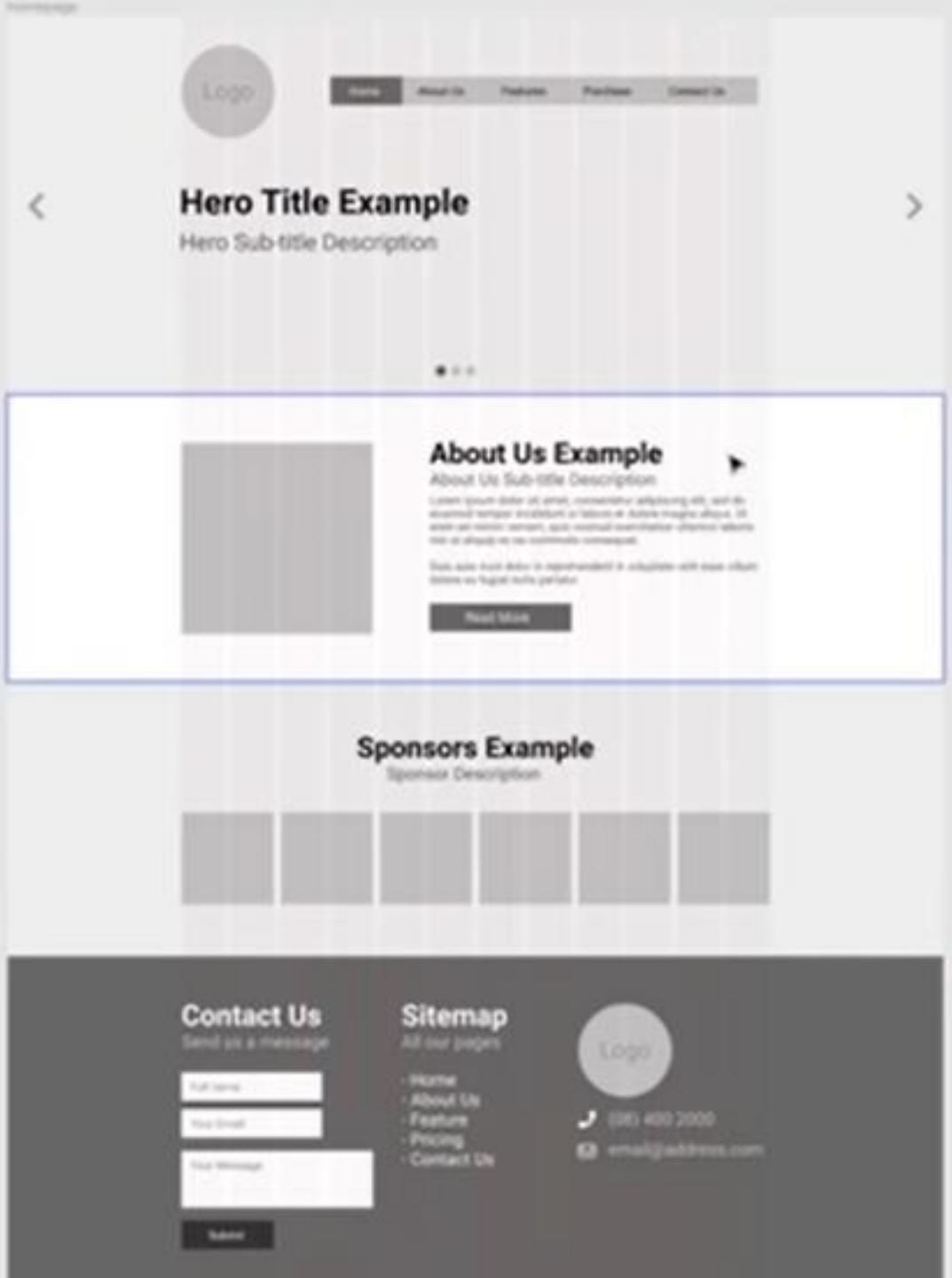
- ✓Who are designers and developers ?
- ✓What tools they use ?
- ✓Who starts the project ?

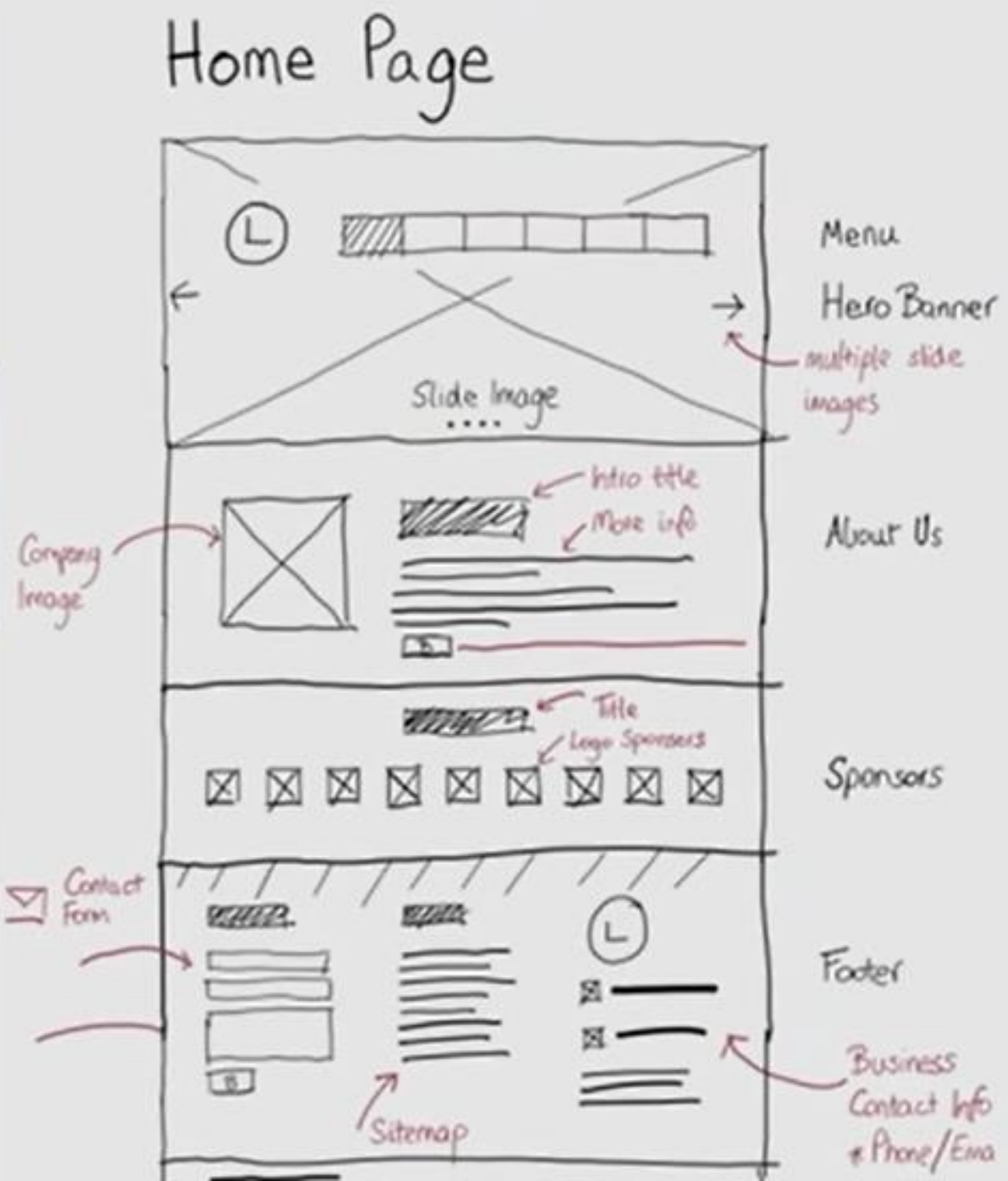


How UI/UX Design Can Make or Break Your Application

Wire framing

Wireframes are often thought of as part of the **user interface (UI), but they can just as easily be part of the user experience (UX)**.


Logo
Hero Title Example
Hero Sub-title Description
About Us Example
About Us Sub-title Description
Read More
Sponsors Example
Sponsor Description
Contact Us
Send us a message
Sitemap
All our pages
Home
About Us
Feature
Pricing
Contact Us
Logo


Home Page
Menu
Hero Banner
multiple slide images
Slide Image
Company Image
Intro title
More info
About Us
Title
Logo Sponsors
Sponsors
Contact Form
Footer
Sitemap
Business Contact Info + Phone/Ema

73 23 hours

201 Yesterday

291 2 days

490 3 days

1,282 4 days

1,216 5 days

1,213 6 days

805 1 week

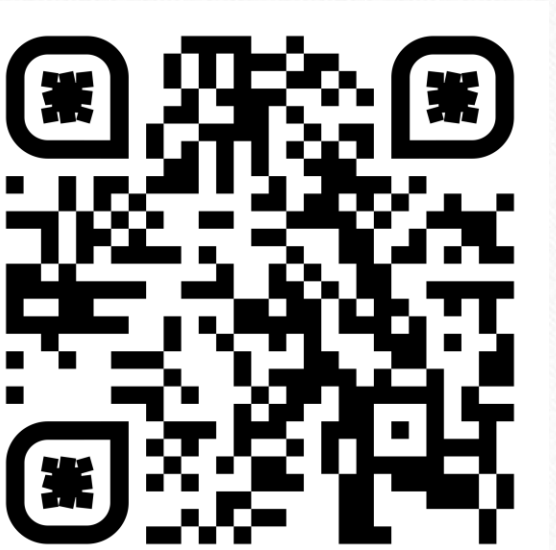
1,765 1 week

757 1 week

639 1 week

773 1 week

UX Makes Interfaces Useful,
UI Makes Interfaces Beautiful



What's the Difference?

HTML

Hypertext Markup Language

Create the structure

- Controls the layout of the content
- Provides structure for the web page design
- The fundamental building block of any web page

CSS

Cascading Style Sheet

Stylize the website

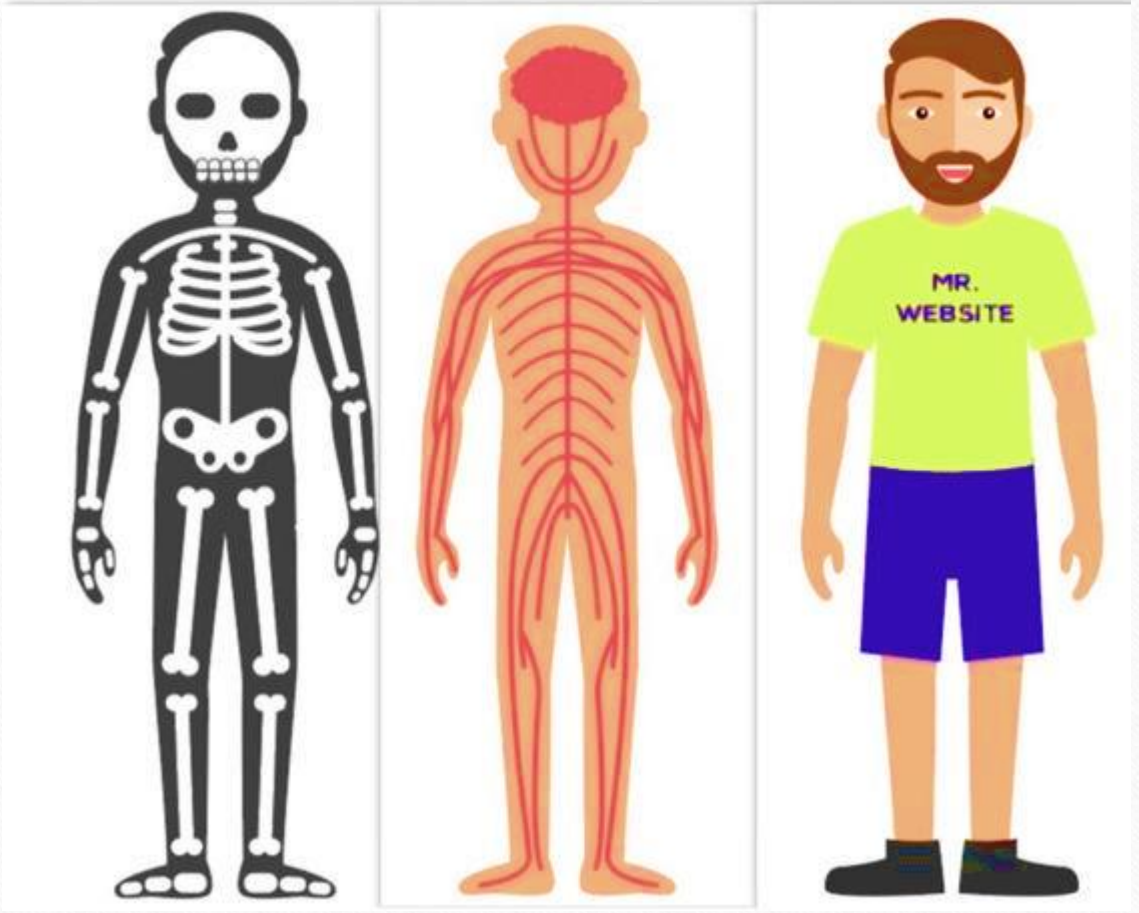
- Applies style to the web page elements
- Targets various screen sizes to make web pages responsive
- Primarily handles the "look and feel" of a web page

Javascript

Increase interactivity

- Adds interactivity to a web page
- Handles complex functions and features
- Programmatic code which enhances functionality

HTML JS CSS



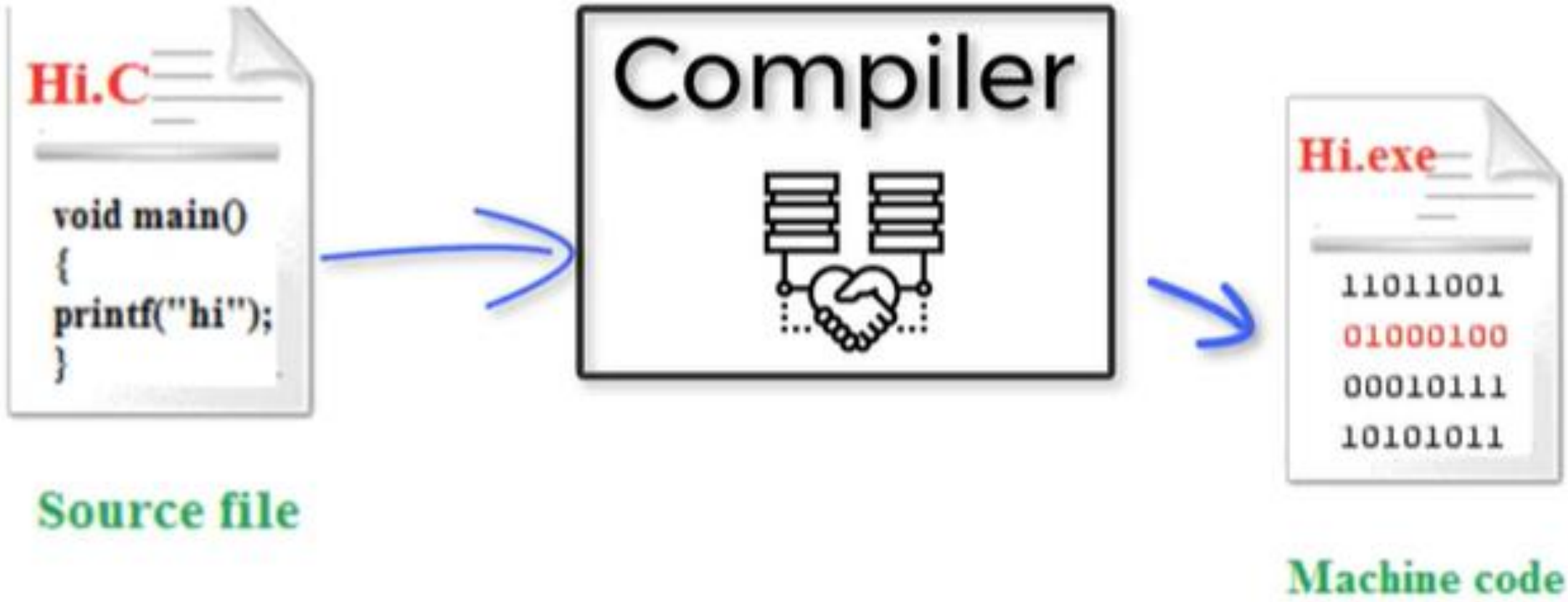
Who is better developers or designers ?

Programming VS Markup VS script languages

Mark-up language

Descriptions of how text and other forms of components should appear in a certain context (i.e. HTML, hypertext mark-up language - is the instructions for the context of a web page).
Mark up languages tend to provide structure to data and/or determine how it is displayed.

- **HTML- hypertext mark-up language**
- **Dynamic HTML**
- **XML-extensible mark-up language**
- **XHTML- extensible hypertext mark-up language**
- **CSS**


Hi.C
void main()
{
printf("hi");
}
Compiler
Hi.exe
11011001
01000100
00010111
10101011
Source file
Machine code

لغة عالية المستوى

Hirgh Level Language

C

C++

Haskell

Fortran

...

المفسّر

Interpreter

لغة الآلة
Machine Language

لغة البرمجة
Programming Language

اللغة النصية(لغة البرمجة النصية)
Scripting Language

اللغة النصية(لغة البرمجة النصية)

Scripting Language

Php

Ruby

Paython

JavaScript

...

لغات البرمجة Prgramming Language

تحتاج إلى محوّل (Compiler)

تستخدم في بناء المشاريع الضخمة التي تتعامل بشكل مباشر مع الآلة

لغات البرمجة النصية Scripting Language

تحتاج إلى مفسّر (Interpreter)

تستخدم في إضافة ميزات إلى برنامج معين أو بناء برنامج يعمل من خلال برنامج آخر

Programming language

A programming language is a language used by humans to give instructions to a machine.

The other main type is compiled programming languages. C, C++, Objective-C, Swift. These take text files, run them through a compiler, and the compiler creates binary instruction files (binaries). These are the lower level languages, they "talk to" the memory and processor and such. I know C and Swift were each wrote in themselves. In other words, C is wrote in the language C. Swift is wrote in Swift.

Programming languages (almost always) need to be compiled before running and instruct the computer to perform tasks/calculations, including how to perform them (although if you're using a high-level language the low level instructions are hidden in the syntax).

- **JAVA, C++, COBOL, C++ and VB, C#, etc.**

Scripting language

Usually use an interpreter or some running application to take programming commands and turn them into instructions to be executed. Scripting languages are programming languages, but they fit into a category called interpreted languages (i.e. Python, Ruby and PHP). We can write full featured applications with scripting languages.

A scripting language is a subset of programming language that is used to produce scripts, which are sets of instructions that automate tasks that would otherwise be performed manually by a human. Of course, these "tasks" are essentially a human giving instructions to a machine.

Difference between Programming Language and Mark-up Language

Sometimes the terms programming language and scripting language are used colloquially to describe compiled programming languages and interpreted programming languages, respectively. Compiled programming languages are languages whose instructions are translated (compiled) directly into machine code, whereas interpreted languages are those that require a program known as an interpreter, which interprets instructions in terms of previously compiled machine code.

Mark up languages annotate the content of a document with information on the document's structure or presentation. More recently, the task of annotating documents with information about their presentation has been delegated to style sheet languages, such as Cascading Style Sheets (CSS). Both are related to historical, physical mark up and style sheets as seen in publishing and other fields.

Lets have example

```
<!DOCTYPE html>
 <html>
     <head>
           <title>Hi-from-title</title>
     </head>
     <body>
           <h1>This is a page</h1>
           <p>a very simple page</p>
    </body>
</html>
```

Style the page

```
<style>
    h1 {
        color: red;
    }
</style>
```

Java script

```
<script>
        document.write("hi");
</script>
```

PHP

```php
<?php

echo $_GET['data'] ;
```


FRONT END
BACK END
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UX/UI DESIGN VS WEB DEVELOPMENT

UX/UI DESIGN VS WEB DEVELOPMENT

IF YOU HAVE THESE QUALITIES, YOU MAY BE A FUTURE . . .

UX/UI DESIGNER

- You're interested in how to improve things for others.
- You're open to different ways of looking at the world.
- You see improvements to be made everywhere – at school, at home, at work, at the gym, etc.

WEB DEVELOPER

- You enjoy problem solving.
- You like to find solutions AND implement them.
- You look at error messages as a good thing.
- You think logically.

ADD THESE TECH SKILLS...

- Adobe Photoshop
- Illustrator
- InDesign
- Sketch
- InVision

- Front End Languages like **HTML/CSS** + **JavaScript**
- Back End Languages like **Ruby** or **Python**
- Database technologies like **SQL** or **MongoDB**
- Fluency with **APIs**, **GIT**, basic **algorithms** + **data structures**

AND YOU COULD GET JOBS LIKE . . .

- PRODUCT DESIGNER
- UX RESEARCHER
- UX CONSULTANT
- UX DESIGNER

- TECHNICAL PRODUCT MANAGER
- FULL STACK DEVELOPER
- SALES ENGINEER
- QA ENGINEER
- IOS DEVELOPER

The End

in the end I hope you understood all I said contact on :

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