

INFX 1606

INTRODUCTION TO
WEBSITE CREATION

Welcome to INFX 1606

Introduction to Website Creation

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Hello!

My name is Raghav Sampangi

Pronunciation is simple – 3 main elements:

Raa (*sounds like “Raw”, but isn’t*)

ga

v

(don’t pay attention to the “h” that exists after “g”)



Sanskrit form → राघव्

This letter is the reason
why “gh” is used in my name! 😊

So... website creation!



Why would you want to create a website?

The first website: The WWW Project at CERN (1991)

The world's first website was restored to its original address in 2013

Visit <http://first-website.web.cern.ch/> to learn more about the project to restore content dating back to the birth of the World Wide Web.



So... website creation!

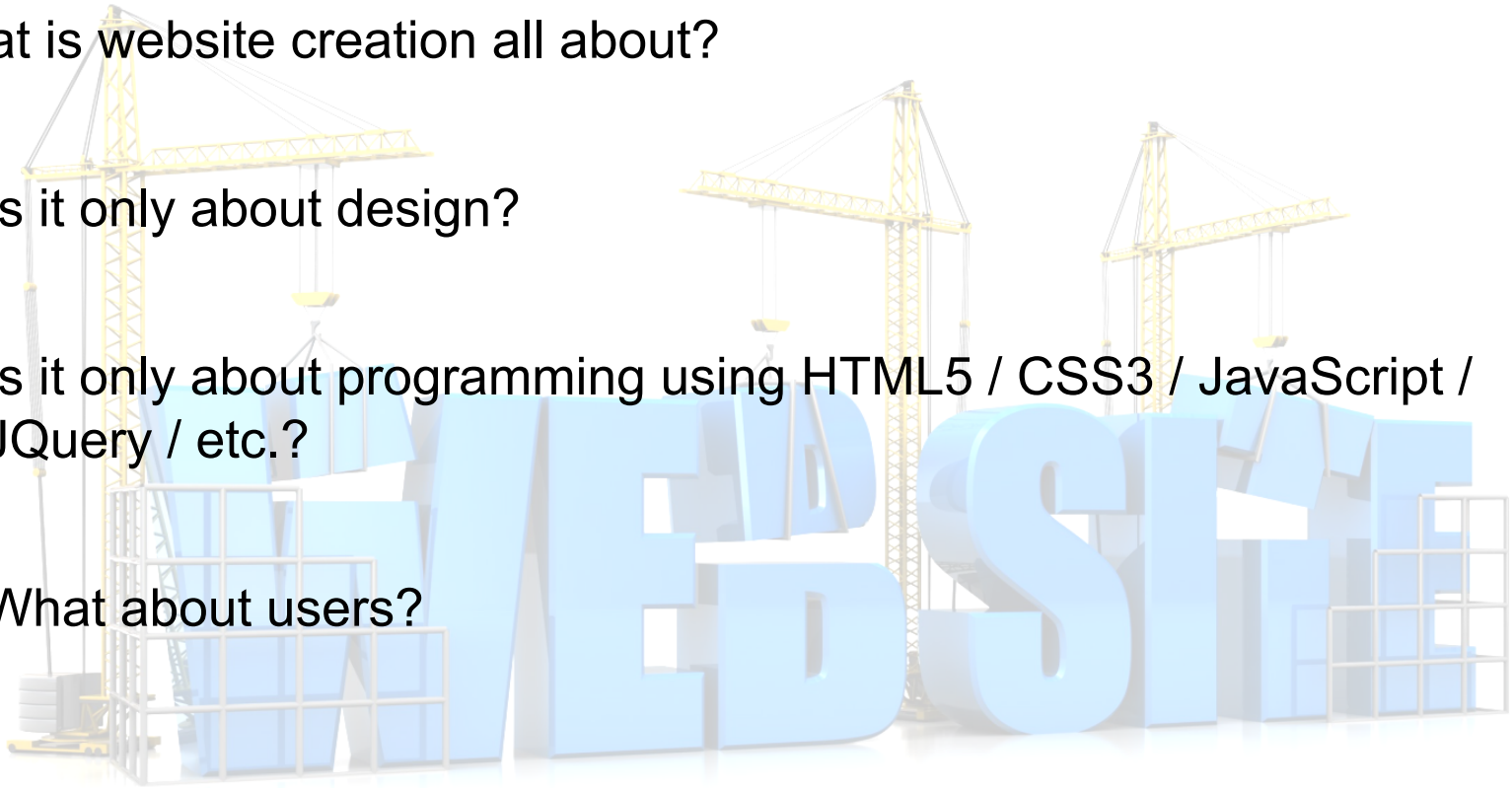
We have come a long way from the first website

What is website creation all about?

Is it only about design?

Is it only about programming using HTML5 / CSS3 / JavaScript / JQuery / etc.?

What about users?



Sidebar

we have to talk about Interaction Design

Interaction Design

- “*The practice of designing interactive digital products, environments, systems, and services*” [1]
- What is important in interaction design?
 - Users (and their needs)
 - Activities in the interaction
 - Where the interaction is taking place
- Why is this important for this course?
 - Because our websites will be “used” by people!
- We will cover this in a little more detail in the next few classes (not too much 😊 - there are full courses here at FCS you can study to learn more about interaction design/HCI)

So... website creation!

We have come a long way from the first website.

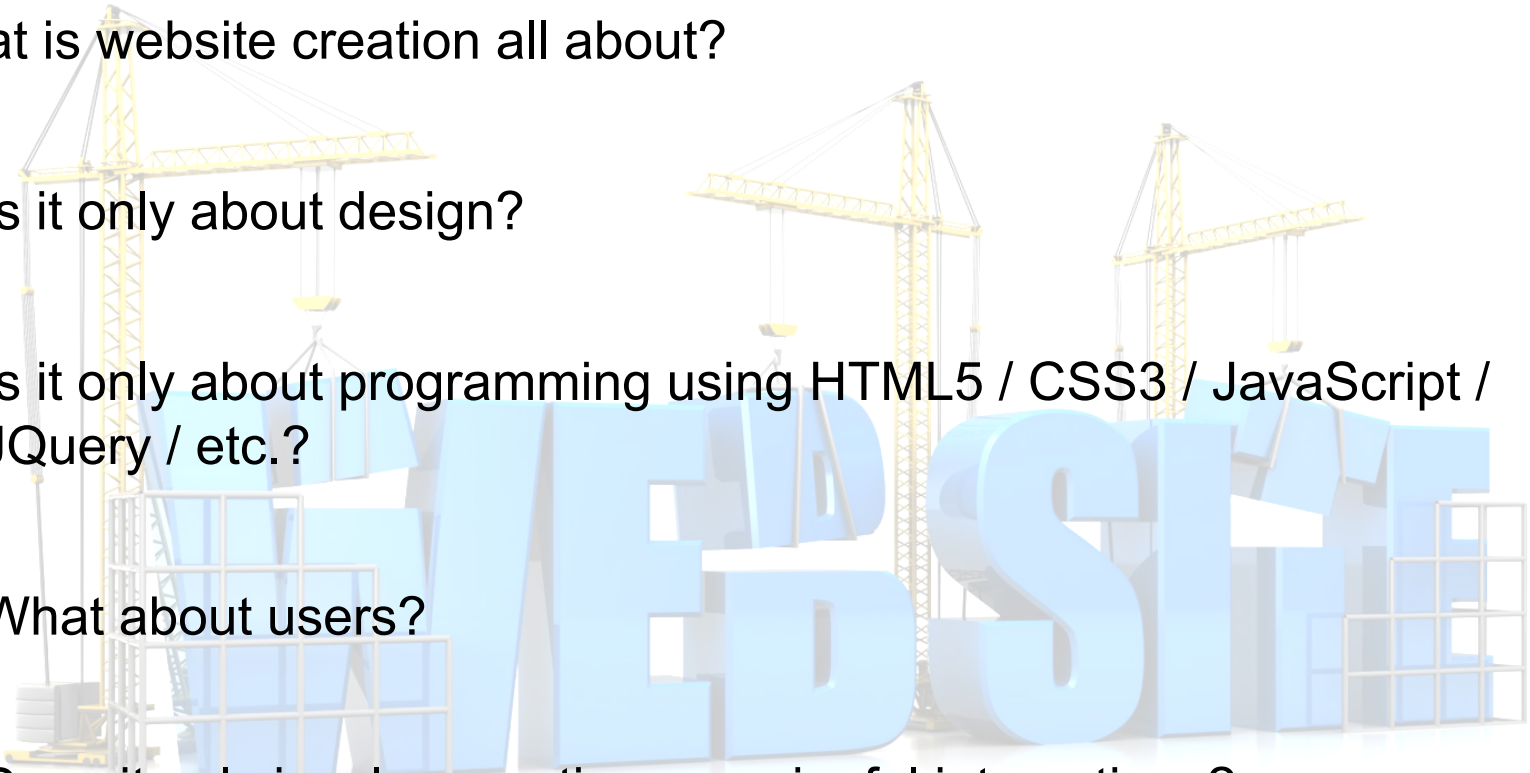
What is website creation all about?

Is it only about design?

Is it only about programming using HTML5 / CSS3 / JavaScript / JQuery / etc.?

What about users?

Does it only involve creating meaningful interactions?

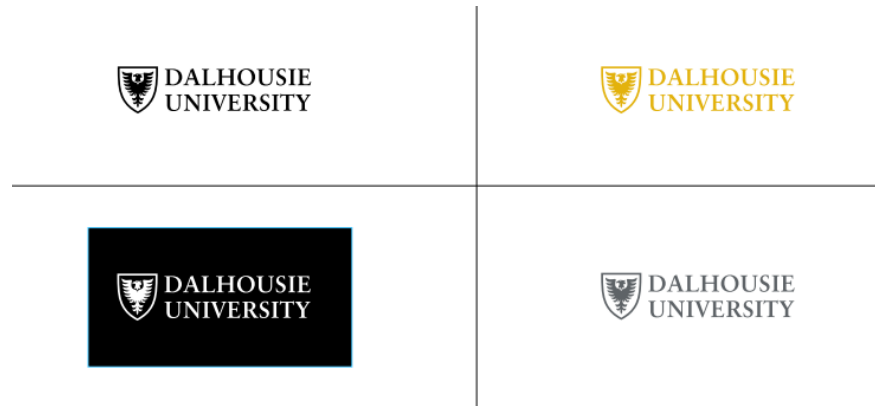




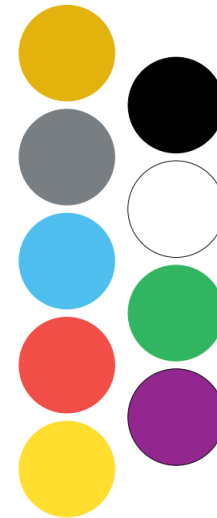
IDENTITY

Examples of brand identity

Dalhousie University



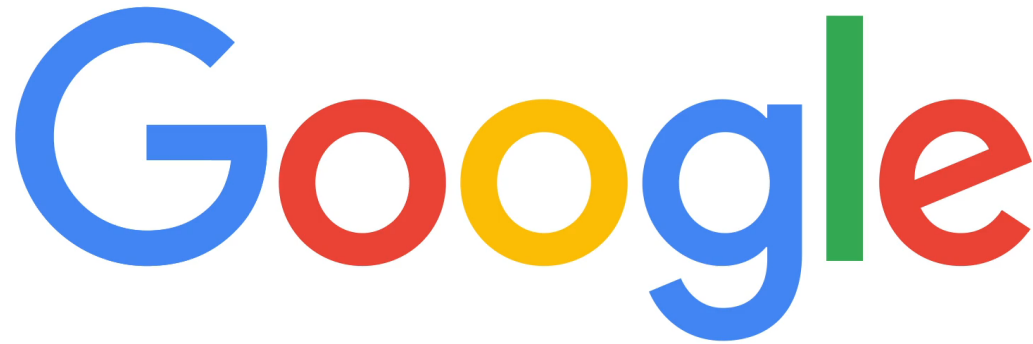
Dalhousie's colours



Source: Dalhousie Brand Guide and Tool Kit
(Nov. 2014)

Examples of brand identity

Google



Source: Google Design
(Sep. 2015)

So... website creation

It is also about creating an online representation for the identity of an entity

Entity could be a person, organization, etc.

Is that all?

Um, no!

Today, we are not just designing websites to be accessed via browsers on a desktop or laptop computers



Welcome to the era of Ubiquitous Computing and the Internet of Things!

Is that all?

Um, no!

Today, we are not just designing websites to be accessed via browsers on a desktop or laptop computers

Welcome to the era of Ubiquitous Computing and the Internet of Things!

We access websites using a variety of devices – smartphones, tablets, smart watches, in addition to desktop/laptop computers

Machine learning/artificial intelligence helps servers “understand” our data, and make web services more useful and meaningful for us

So, we have to think about...

Users and their preferences

Elements required by devices to offer services

The need for websites to be responsive

The services offered or the brand represented

In this course, we will...

Explore the basics Internet and the Web

Designing usable websites

Learn some programming languages for the Web and their purpose

- HyperText Markup Language (HTML)

- Cascading Style Sheets (CSS)

- JavaScript

- PHP (intro to basic concepts)

In this course, we will... (cont'd)

Understand page layouts, information arrangement, interactive functionality

Explore responsive design: Designing for varying screen sizes and capabilities

Understand the importance of website accessibility, usability and security considerations

Learn the basics of Search Engine Optimization (SEO)

Get a glimpse of Content Management Systems (CMS)

Syllabus

Studying for success

Resources

- Studying for success (<https://www.dal.ca/sfs>)

STUDY SKILLS/TUTORING

Become a more efficient and effective learner

Whether you're doing well and want to do better or if you are experiencing academic difficulty, we can help you reach your academic potential during your time at Dalhousie.

A few reasons to visit:

- You're attending class regularly but you feel like you're missing important points
- You feel like you don't have enough time to get everything done
- You'd like to bring together key concepts in both lectures and textbooks
- You want to be fully prepared to write an exam
- You're doing well in your courses, but think you could do better
- You've experienced some academic failure, whether one paper, one assignment, one midterm or final exam, one or more classes

Workshops and services

We offer personal coaching/tutoring as well as free workshops to Dal, King's and NSCAD students in the following areas:

Resources

- Student health promotion (<https://www.dal.ca/studenthealth>)

HEALTH PROMOTION

Student Health Promotion

Student Health Promotion enhances the health and wellness of all students within the Dalhousie community. The Student Health Promotion team collaborates with campus and community resources to deliver health promotion and prevention initiatives that heighten awareness, increase knowledge, and direct students to appropriate resources.

The team

Working with the Health Promotion Program Manager, Student Health Promotion Educators come from a variety of faculties and backgrounds, and range from undergraduate to graduate students. Educators provide non-judgmental and unbiased information to help students make informed decisions about health and wellness. If you're interested in joining our team please contact livewell@dal.ca for more information.

Live Well @ Dal

Student Health Promotion is proud to be an active contributor to the Live Well @ Dal initiative. Live Well @ Dal is a collaboration of campus services that takes a holistic approach to improving the health of the Dalhousie community. It recognizes that social, emotional, intellectual, environmental, physical, financial, and spiritual wellness are essential features in the well-being of both staff and students.

Experience various things that the university has to offer

Student life @ CS

- CS Society (CSS)
- CS Graduate Society (CSGS)
- Women in Technology Society (WiTS)
- Student Ambassador Program
- Dalhousie Computer Science In-House Conference (DCSI)

- Plus, many many cultural societies around campus

- Get involved and experience your university life.

“What do I do if I have any questions or concerns or suggestions about the course?”

Contact me – email: raghav@cs.dal.ca

If you wish to talk in person:

- My office is Room 204 (Goldberg CS Building)
- Send me an email and we can set up an appointment to discuss
- “Open door” policy: If I’m in the office, AND the room door is open, please come on in.

Do not hesitate to contact me about any questions you may have
– I’m here to help!

Any questions?

Our next class – Friday (Sept 8)

- We will begin discussing about the Internet, the Web and Websites

Have a great day!

