NTNU
Kunnskap for en bedre verden

KANDIDAT

10007

PRØVE

IDG1292 1 Webkoding

Emnekode	IDG1292
Vurderingsform	Hjemmeeksamen
Starttid	25.02.2022 08:00
Sluttid	26.02.2022 08:00
Sensurfrist	19.03.2022 22:59
PDF opprettet	15.08.2022 16:01

Cover page

Oppgave	Tittel	Oppgavetype
ℹ	Exam cover	Informasjon eller ressurser

Annotate the contents

Oppgave	Tittel	Oppgavetype
1	Tribute page - implementation	Filopplasting
2	Tribute page - Reflection	Langsvar

Fix the code

Oppgave	Tittel	Oppgavetype
3	Fix the code - implementation	Filopplasting
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Reflection

Oppgave	Tittel	Oppgavetype
5	Theory	Langsvar

1 Tribute page - implementation

In this task you must build a tribute web page to Tim Berners-Lee, inventor of the Web. The contents you must include in your page (and annotate with HTML) are available in the next table.

Content	Comment
Tim Berners-Lee	Name of the person
“Data is a precious thing and will last longer than the systems themselves.”	— Tim Berners-Lee, A Framework for Web Science (Foundations and Trends) https://dl.acm.org/doi/10.1561/1800000001
Sir Timothy John Berners-Lee (born 8 June 1955), also known as TimBL, is an English computer scientist best known as the inventor of the World Wide Web. He is a Professorial Fellow of Computer Science at the University of Oxford and a professor at the Massachusetts Institute of Technology (MIT). Berners-Lee proposed an information management system on 12 March 1989, then implemented the first successful communication between a Hypertext Transfer Protocol (HTTP) client and server via the Internet in mid-November.	Short summary
Berners-Lee worked as an independent contractor at CERN from June to December 1980. While in Geneva, he proposed a project based on the concept of hypertext, to facilitate sharing and updating information among researchers.To demonstrate it, he built a prototype system named ENQUIRE. Berners-Lee wrote his proposal in March 1989 and, in 1990, redistributed it. It then was accepted by his manager, Mike Sendall, who called his proposals "vague, but exciting". He used similar ideas to those underlying the ENQUIRE system to create the World Wide Web, for which he designed and built the first web browser. His software also functioned as an editor (called WorldWideWeb, running on the NeXTSTEP operating system), and the first Web server, CERN HTTPd (short for Hypertext Transfer Protocol daemon). Berners-Lee published the first web site, which described the project itself, on 20 December 1990; it was available to the Internet from the CERN network. The site provided an explanation of what the World Wide Web was, and how people could use a browser and set up a web server, as well as how to get started with your own website. On 6 August 1991, Berners-Lee first posted, on Usenet,	Career and research

a public invitation for collaboration with the WorldWideWeb project. In 1994, Berners-Lee founded the W3C at the Massachusetts Institute of Technology. The World Wide Web Consortium decided that its standards should be based on royalty-free technology, so that they easily could be adopted by anyone.	
Berners-Lee, T.J., et al, "*World-Wide Web: Information Universe*", Electronic Publishing: Research, Applications and Policy, April 1992. Berners-Lee T.J., et al, "*The World Wide Web*", Communications of the ACM, Volume 37 Issue 8, August 1994, Pages 76-82 Tim Berners-Lee with Mark Fischetti, *Weaving the Web*, Harper San Francisco, 1999 Tim Berners-Lee, Dan Connolly, Ralph R. Swick "*Web Architecture: Describing and Exchanging Data*", W3C Note, 1999/6-7. Berners-Lee, Tim. and Hendler, James "*Publishing on the Semantic Web*", Nature, April 26 2001 p. 1023-1025.	List of relevant publications
Image	The page must, at least, include 1 royalty-free image. Find one on the internet
Text extracted from Wikipedia	Footer. It can also include any other relevant information you may need

TASKS

- Find a royalty-free image for the page
- Create a small paper sketch to prototype your page.
- Use HTML to annotate the contents
- Use CSS to style the page

SCOPE AND LIMITATIONS

- You can use anything learned during the course.
- You must build the page from scratch and on your own. If you use pieces of code from internet, make sure you cite the source.
- You must only build one page (i.e.: 1 html file).
- Aesthetics and readability are important.
- The design must be robust across different screen sizes.

DELIVERY

Upload a zip file with the code. Don’t forget to include a picture of your sketch in the zip file.

Upload your zip file here. Remember the zip must contain your project (html, css, assets, readme, etc.) as well as the sketch. Maximum one file.

Følgende filtyper er tillatt: **.zip** Maksimal filstørrelse er **50 GB**.

Velg fil for opplasting

2 Tribute page - Reflection

Explain how you designed and implemented the tribute page from the previous activity (Limit maximum words: 500).

- How did you use HTML to structure your contents? What are the main parts of your page? What HTML elements have you used and why?
- How did you design the page to ensure it was readable and aesthetically pleasing? How are you linking your CSS rules with the HTML and why (external CSS files, embedded CSS, inline styling)?
- Other reflections?

Fill in your answer here

3 Fix the code - implementation

The following code has (a) errors and (b) things that could be improved.

Download the code, fix the errors and reimplement the page to improve it. Don't forget to add comments should you need to clarify what you are trying to achieve/change in your solution.

Download the code with errors in the following link: fix-the-code

After finishing the task, upload your solution here.

Upload your zip file here. Make sure the zip has all the files required to run and test your solution. Maximum one file.

Følgende filtyper er tillatt: **.zip** Maksimal filstørrelse er **50 GB**.

Velg fil for opplasting

4 Fix the code - reflection

Explain what and why you did in the previous question "Fix the code - Implementation" (Limit maximum words: 500).

- List the errors you found in the previous code and briefly explain why that was an error.
- List all the improvements you have implemented in your solution and explain why that was important and how it did improve the page.
- Other reflections?

Fill in your answer here

5 Theory

You have recently accepted a job in a consultancy. Your main responsibility is to run code reviews to validate the quality of HTML and CSS files.

During a code review session, you notice that one developer has used the <footer> HTML element in several parts of the same HTML document. What would you do? What feedback would you give to the developer who wrote the code? Justify your answer.

(maximum words: 500)

Fill in your answer here