

Arbeidskrav DS3103 Webutvikling

General Information

- **Assessment:** Godkjent / Ikke godkjent.
- **Group size:** 1-3
- The arbeidskrav consists of 2 parts:
 - o A technical solution
 - o Giving and receiving feedback from other groups and delivering the feedback
- If in group: fill out the attached txt file for the full names of all group members.
- Only one in the group uploads the solution to Canvas
- You are to solve the arbeidskrav in the attached project folder with the resources there.
- Zip the project before uploading it to Canvas.
- Have fun!!! 😊

Important: When you deliver the arbeidskrav you may only get Godkjent / Ikke godkjent as feedback and no text feedback. This is unless it is not Godkjent and you need to deliver again. For this arbeidskrav you are meant to get feedback on your code and improve it during the process. You are to get feedback from your fellow students, studentveiledere, and lecturer and not at the end. You may ask the studentveiledere and lecturer for help, guidance and counselling during the entire process.

Technologies

- HTML5
- CSS3
- JavaScript (ES6+)

Techniques and resources

- Semantic coding
- Diverse CSS code for styling content
- BEM
- Grid system with CSS3 Grid
- Media Queries
- FontAwesome
- JavaScript (main points):
 - o ES6+ techniques such as arrow functions, forEach() and filter()
 - o Array with objects
 - o localStorage
 - o Module

Tips / things to reflect over.

- Is the code tidy and structured?
- Are the variables and functions named properly?
- Is the code easy to read for other developers?
- Is the HTML semantic?
- Do I have unnecessary code repetition?
- Should I add a comment (HTML, CSS, and/or JavaScript) to mark and/or explain certain codes or sections?

Case: Purchasing Manager for Kylling & Kjøtt (K&K)

You have been given a task by your team leader to create a web solution for a purchasing manager (innkjøpsansvarlig) at a meat store. The purchasing manager needs to be able to order different types of meat and also get an overview of their order.

Web pages:

- **Page 1:** The purchase manager buys products for their store.
- **Page 2:** The purchase manager gets an overview of what has been ordered.

Specifications

- The solution must be fully responsive with at least 3 breakpoints starting with mobile sizes under 768px.
- Reminder: all techniques mentioned on page 2 in this document are to be used.
- Each product should have at least: name, image, price.
- The products that are shown on page 1 must have been retrieved from a Module.

Extra tasks for groups of 2 and 3

If in groups of 2 you must in addition do 2 of the tasks below.

If in groups of 3 you must in addition do 3 of the tasks below.

- Search/filter functionality on one of the pages
- Display total sum in page 2
- Possibility to remove something from shopping cart
- If you click on a product you are either:
 - o shown more information about the product on the same page
 - o ...or taken to another page for more information about the product
- Create and integrate interactive ad(s) which you must make yourself with only use of HTML, CSS, and JS and image(s).
- A third page which shows employees, a type of “Om oss” or “Våre ansatte”, at the company.
- A third page with functionality you may choose yourself

The three screenshots below are just to exemplify the solution and is not meant to be how it must look. You are free to choose the styling.

Home screen

K&K - Innkjøp

Hjem Handlekurv

Chipotle Pris: 55.90,- Legg til i handlekurv	Fårikalkjøtt Pris: 195.00,- Legg til i handlekurv	Grillpølser Pris: 61.90,- Legg til i handlekurv	Karbonadedeig Pris: 60.00,- Legg til i handlekurv
Karbonader Pris: 72.90,- Legg til i handlekurv	Kyllingkjøtteig Pris: 59.90,- Legg til i handlekurv	Røkte kjøtpølser Pris: 57.50,- Legg til i handlekurv	Wienerpølser Pris: 68.90,- Legg til i handlekurv

Shopping cart screen

Handlekurv

Søk med Google eller skriv inn adresse

Hjem Handlekurv

Handlekurv			
Id	Navn	Pris	Bilde
1	Chipotle	55.9	
3	Grillpølser	61.9	
7	Røkte kjøtpølser	57.5	

[Slett Handlekurv](#)

Example of mobile phone screen.

The screenshot shows a mobile browser window with the title bar "K&K - Purchasing". The main content area displays a product page for "Chipotle". The product image is a package of Toten Kjøtt Chipotle sausages with cheddar cheese. The price is listed as "Pris: 55.90,-" and there is a green button labeled "Legg til i handlekurv". Below this, another product card for "Fårikålkjøtt" (lamb shoulder) is partially visible, showing a image of raw lamb meat and a price of "Pris: 195.00,-" with a "Legg til i handlekurv" button. A third product card for "Grillpølser" (grill sausages) is at the bottom, showing only the title. The top navigation bar includes a logo, a search bar, and links for "Hjem" and "Handlekurv".

Collaboration task : Give and receive feedback

- Give your project (either all or parts of your code) to 1-2 other groups in your class and get the code from 1-2 other groups.
- Give and receive feedback using the template below.
- You will deliver both the feedback you have given, and the feedback you have gotten.
- You don't need to finish the entire solution before getting feedback. It is enough to get feedback on one of the two pages.

Template for feedback

3-5 good things about the solution

1. X
2. Y
3. Z
4. A
5. B

3-5 things that can be improved in the solution, tips, questions etc.

1. X
2. Y
3. Z
4. A
5. B

Examples of things that one can give feedback on

- Variable, and function names
- Tidyness
- Structure
- Code repetition
- Code improvements
- ...other things