

An aerial night photograph of a city, likely Copenhagen, showing a dense urban area with numerous lit-up buildings and streets. A large body of water is visible on the left side of the frame, with city lights reflecting on its surface. The sky is dark with a hint of sunset or sunrise colors on the horizon.

Project assignment

Web Development - Advanced Concepts
TFWN19/TFWN14

Background

- Jönköping has a thriving city core with shops, restaurants and bars.
- JkpgCity is a government owned organization with the mission to develop and promote the city commerce.
- The web page of JkpgCity contains little to no information about what's going on in the city.

A photograph of a laptop screen displaying the 'jkpgcity' website. The website has a dark header with the 'jkpgcity' logo in large, bold, white letters. Below the logo is a horizontal navigation bar with various location names in Swedish. The main content area features a large, bold headline in Swedish. A large, white, semi-transparent text box is overlaid on the left side of the screen, containing the text 'We must be able to do this better, right?'. In the bottom right corner, there is a footer with text about web development concepts and dates. A person's hands are visible at the bottom of the frame, typing on the laptop keyboard.

**We must be able to
do this better,
right?**

Project overview

- Backend
- REST API
- Database
- Docker deployment
- Frontend with venues and information
- Interactive design





Grades

- **Grade 3**

- Basic setup of all parts of the project frontend and backend (and database) with node.js.
- Define API-call using REST connecting Frontend and backend.
- Load the list of venues from the database using a REST API call and show them as overview webpage

- **Grade 4**

- Extend the webpage ability to sort, add, remove or edit the list of venues by using respective forms in the frontend.
- Run the database in a Docker container

- **Grade 5**

- Create an admin account. Be required to login to be able to edit the venue list.
 - Extend the dataset with more data about the stores and venues.
 - The backend should also be put into a Docker container
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- Requirements: Only Node.js and CSS and Docker is allowed. The focus is on gaining deeper knowledge about to use Javascript to interactively manipulate the Websites.

Deadline

- Project timeframe
 - Week 8 — 12
- Deadline for presenting the project
 - Week 12 (the week before exam week)
in your respective lab classes!!!
 - All group members have to be there
to present the project.

