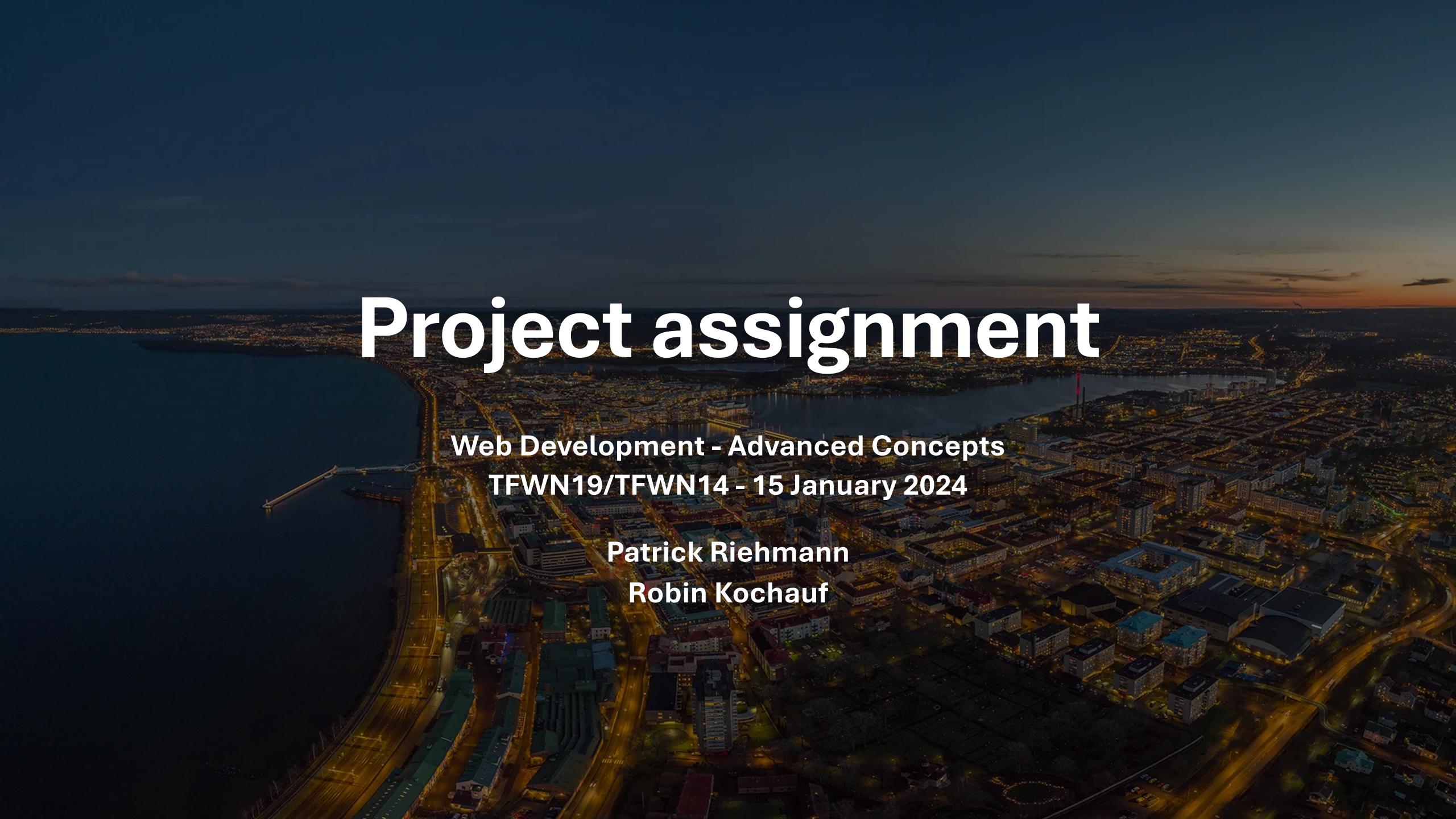


Project assignment

The background image shows an aerial view of a city at dusk or night. The city is built along a coastline, with numerous buildings and streets visible. The lights from the buildings and streets reflect off the water, creating a beautiful glow. The sky is dark, suggesting it's either night or the sun is setting.

Web Development - Advanced Concepts
TFWN19/TFWN14 - 15 January 2024

**Patrick Riehmann
Robin Kochauf**

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.



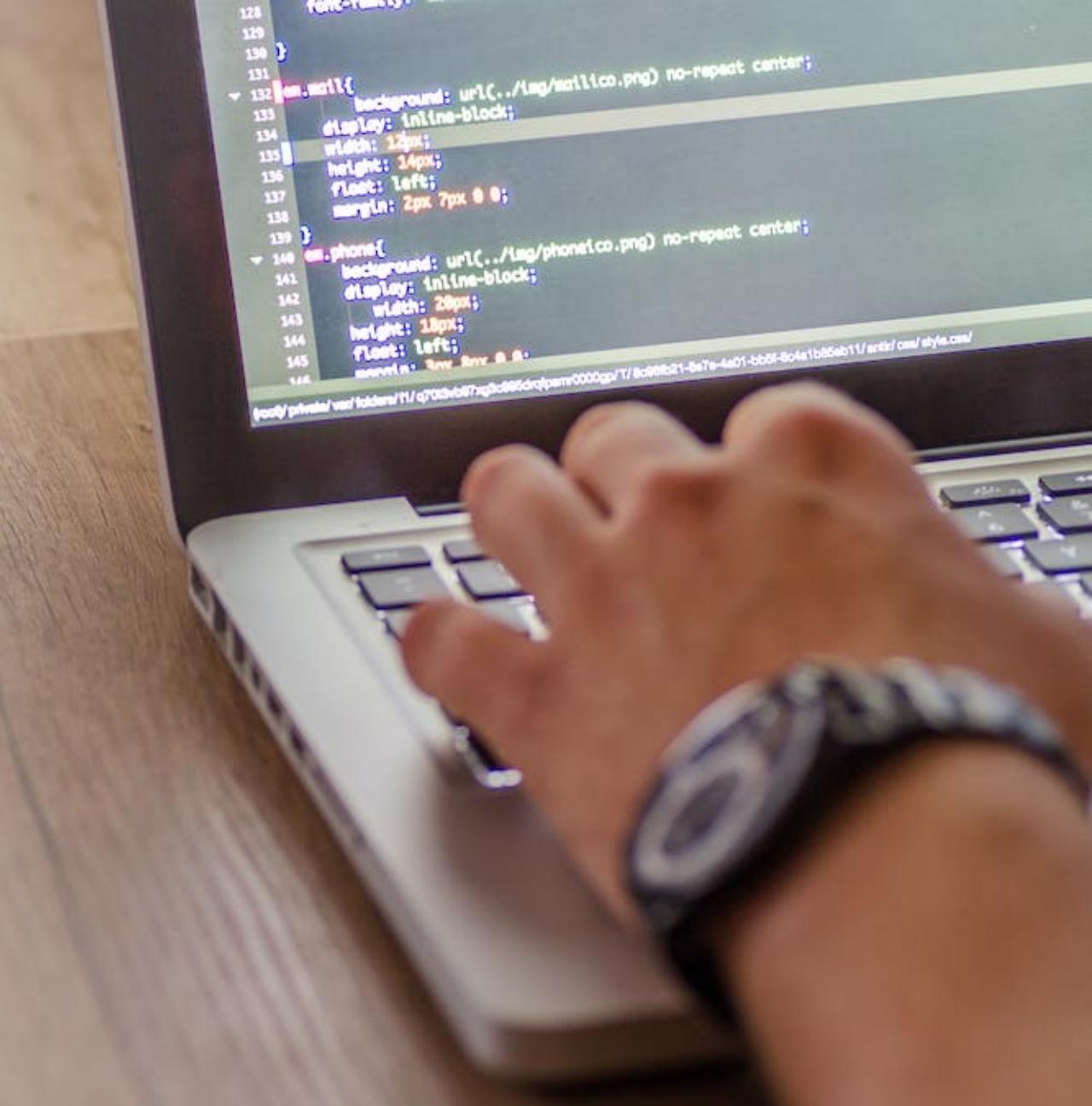
We must be able to
do this better, right?

VÄLKOMMEN TILL DITT
JÖNKÖPING.

Jkpg City är fyllt av butiker, kultur, upplevelser, caféer och restauranger som ramas in av
fantastiska grönområden och vackra sjöar.

Project overview

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





Grades

- **Grade 3**

- Basic setup of all parts of the project. Database, Docker container, backend, frontend, API-call using REST. Load a list of venues from the database using a REST API call.

- **Grade 4**

- Show a list of venues in the city with the ability to sort, add, remove or edit the list from the page from a form in the frontend.
- Run the application inside a local Kubernetes cluster, setting up the environment with YAML-files.
- Extend the dataset with more data about the stores and venues.

- **Grade 5**

- Create an account and login, user profile. Be required to login to be able to edit the venue list.
- Use GIT with multiple branches, pull requests and releases for project structure and collaboration.
- Provide an interactive visualization for gaining deeper insight into the trade of the inner city

Deadline

- Project timeframe
 - 15 Jan 2024 – 15 Mars 2024
- Deadline for handing in project
 - 17 Mars 2024
- Examination
 - 18 – 22 Mars 2024



Scheduling groups and programmes

- TGMM722h and TGGD721h
 - Group 1: TGMM722h
 - Group 2: TGMM722h
 - Group 3: TGMM722h and TGGD721h (a mix of students from both classes)
 - Group 4: TGGD721h
- The students in TGMM722h study iOS Development in parallel and that course has three lab groups and they are to some extent booked in parallel with our labs.

