Multidisciplinary Projects

Class 0: Introduction to the Course

Agenda

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- Material

Lecturer

- My name is Tung Kieu.
- I am an Assistant Professor in Department of Computer Science at Aalborg University. I am a faculty member in Center for Data-Intensive Systems (DAISY).
- April 2021, Ph.D. degree from Aalborg University in under supervision of Prof. Christian S. Jensen and Prof. Bin Yang.
- April 2021-May 2021, Research Assistant at Aalborg University.
- June 2021-August 2021, Postdoc at Aalborg University.
- My research interests are Data Mining, Knowledge Discovery and Spatio-Temporal Data Analysis.

Policy

- Project (group work): 50%.
- Final examination (individual): 50%.
- Assignment (lab) submission (individual): 5%.
- The deadline for each assignment is one week.
- The actual grade distribution at the end will depend on the performance of the entire class on all the components.
- Upper-bound (max) 10. Lower-bound (min) is 1.
- Everyone can get good grade by working hard!

Assignment, Project and Exam

- Assignment
  - Students have to submit report every week.
- Project
  - Each project group has only 5-7 students.
  - The project source code is an e-commerce system (e.g., cellphone shop, book shop).
  - The report is written in LaTeX.
  - The project is written in HTML/CSS/(JAVASCRIPT), or JAVA, or PYTHON.
  - Control versions by using GIT and GITHUB
- Exam
  - The exam is a writing exam.
  - Electronic devices are not allowed in the exam.

Syllabus

- By the end of the course, the students should be able to:
  - Definition of a multidisciplinary project.
  - Working in a multidisciplinary project.
  - Define a multidisciplinary problem and solve it.
  - Develop, organize, communicate, and participate in high-performance teams.
  - Some software project management models.

Content

- Introduction to multidisciplinary project.
- Multidisciplinary project definition.
- Working as a team.
- Software development process.
- Software development project management.

Requirement

- Writing in LaTeX.
- Programming with HTML/CSS/JAVASCRIPT or JAVA or PYTHON.
- Using GIT and GITHUB
- Presenting results.
- Communication.

Materials

- Slides
- Lab report