Final Exam Information

Functional Programming (ITI0212)

- The final exam for ITI0212 will take the form of an *individual live-coding* assessment of topics covered in the course, up to and including Lecture 11 (Week 12).

- You should have received an email inviting you to schedule a time. Most exams will take place between $29 - 30^{\text{th}}$ May. Please contact `maearn@taltech.ee` directly if you have not received an email.

- If you are unable to take the exam during the scheduled exam period then you should contact the course staff promptly and we will make arrangements for an alternative exam date for you.

- You must attempt the exam. If you cannot demonstrate basic competance, there could be grounds to fail, even if you have acheived good marks on the assignments.

- Exams will be conducted remotely by *Zoom*, and you will receive the URL before the exam.

- Each exam will last for approximately 25 minutes, and will comprise approximately 3 questions with multiple parts of varying difficulty.

- Students must have an installation of Lean 4 and editor integration working on their computer in order to take the exam.

- Students must screen-share the window containing their program editor, and communicate with the instructors using camera and microphone throughout the exam.

- Of course, correctly solving the exam problems is the desired goal, but we are also interested in hearing your observations and thoughts as you work on the problems. If an approach that you try doesn't succeed, we want to know what you learn from that and how it informs your reasoning about what approach to try next. In short, explaining what you understand about a problem can only help you, whether or not you manage to solve it.

- At any time during the exam, students may ask questions to the examiners about the exam problems. If they feel stuck on a given problem they may request to move on to the next problem and return to current one again later, if time allows.

- During the exam students may consult any resources linked from the course web page, including lecture scripts, lab sheets, Lean documentation, Functional Programming in Lean, etc. They may use the "Go to definition" feature in their editor to inspect Lean definitions. They may also freely consult their own notes and solutions to lab and homework problems. Students may not consult resources such as *Stack Overflow*, *ChatGPT* or other LLMs, *Copilot* etc.

- Students may freely `import` or copy/paste definitions from any lecture script file, or from their own lab or homework solutions.

- Students may be asked to `import` or copy/paste specific definitions into their exam file in relation to a given problem.

- We recognize that an exam is an inherently stressful situation. Please bear in mind that our goal is not to trick or stump you, but rather to assess what you have learned about the topic of *dependently typed functional programming* in Lean, throughout the course. As such, you can expect the problems that you encounter on the exam to be similar in nature to those that you have worked on in the lab and homework exercises.