

COMP105

Class Test Information

# The class test

The class test will take place on **Wednesday the 6th of January (week 11)**

- ▶ Canvas online test

## Format

- ▶ The test will be open from 9:00am for 24 hours
- ▶ 1 hour time limit
- ▶ Multiple choice
- ▶ Question randomization will be used
- ▶ One question at a time and no backtracking

# The class test: topics

## Recursion

- ▶ Understanding recursive code
- ▶ Mutual recursion
- ▶ Multiple recursion
- ▶ Tail recursion (not covered yet in class)

## Higher order functions

- ▶ The `.` and `$` operators
- ▶ `map`, `filter`, `fold`, `scan`
- ▶ Most general type annotations

# The class test: topics

## Custom types

- ▶ Custom data types
- ▶ The `Show`, `Read`, `Eq`, and `Ord` type classes
- ▶ `Maybe` and `Either`
- ▶ Custom lists and trees

## General questions

- ▶ What is a pure function?
- ▶ IO code
- ▶ Evaluation models – lazy vs strict (not covered yet in class)

# Preparation

**Preparation** questions and solutions are available

- ▶ On the Canvas site
- ▶ Not MCQ

The test **from last year** is also available

- ▶ The questions will be a bit different this year
  - ▶ I won't ask you "what is the output for this query?"
  - ▶ But the topics will be the same
- ▶ I will go through the solutions in a revision video in January