

# CSC207 Tutorial 4

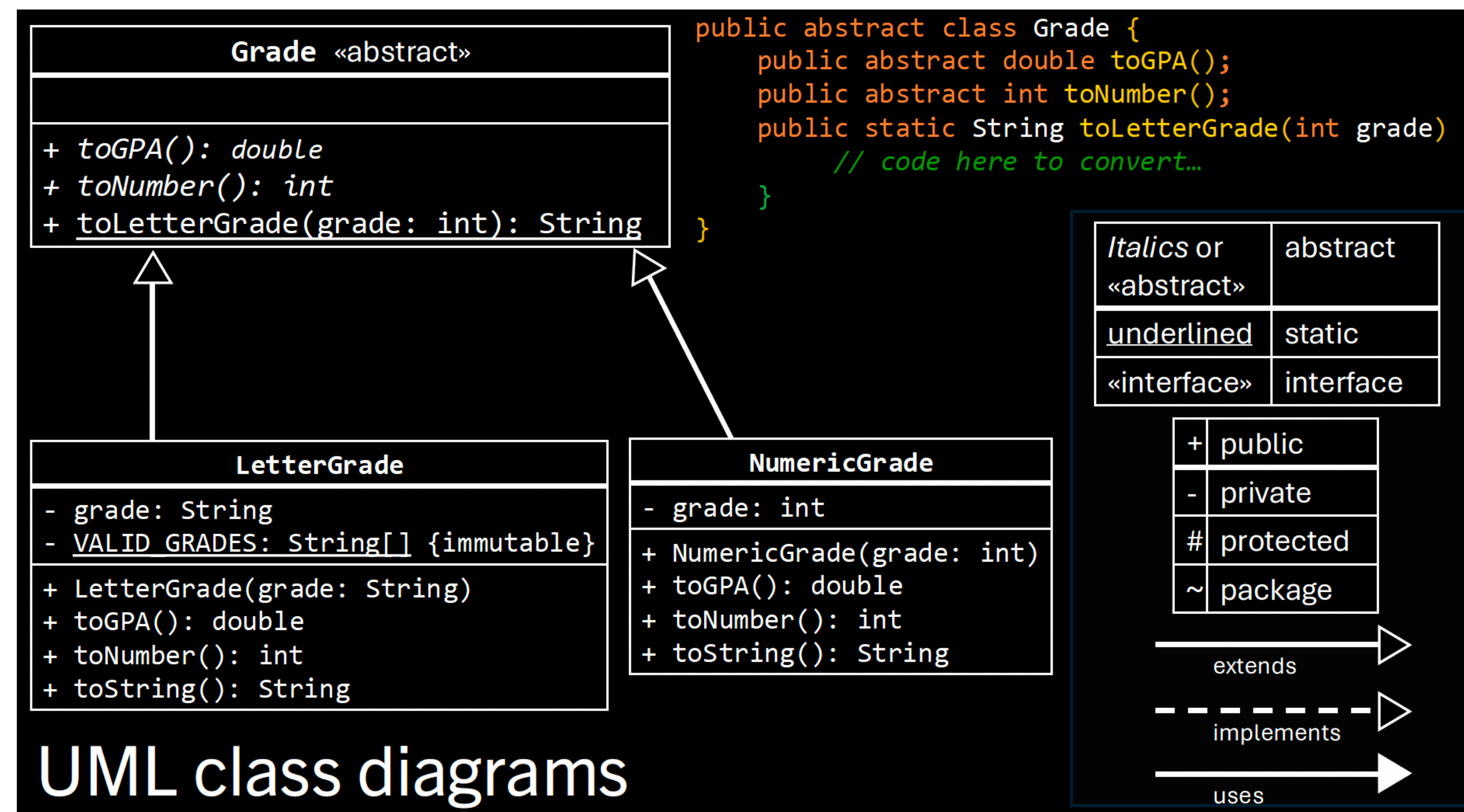
TUT0401 - 29th September

# lab overview

- **Group Activity:** To-do list app
  - Goal: create a UML diagram of an app that fulfills user stories
  - to be completed by the end of lab (for credit!)
- Discuss project direction with team

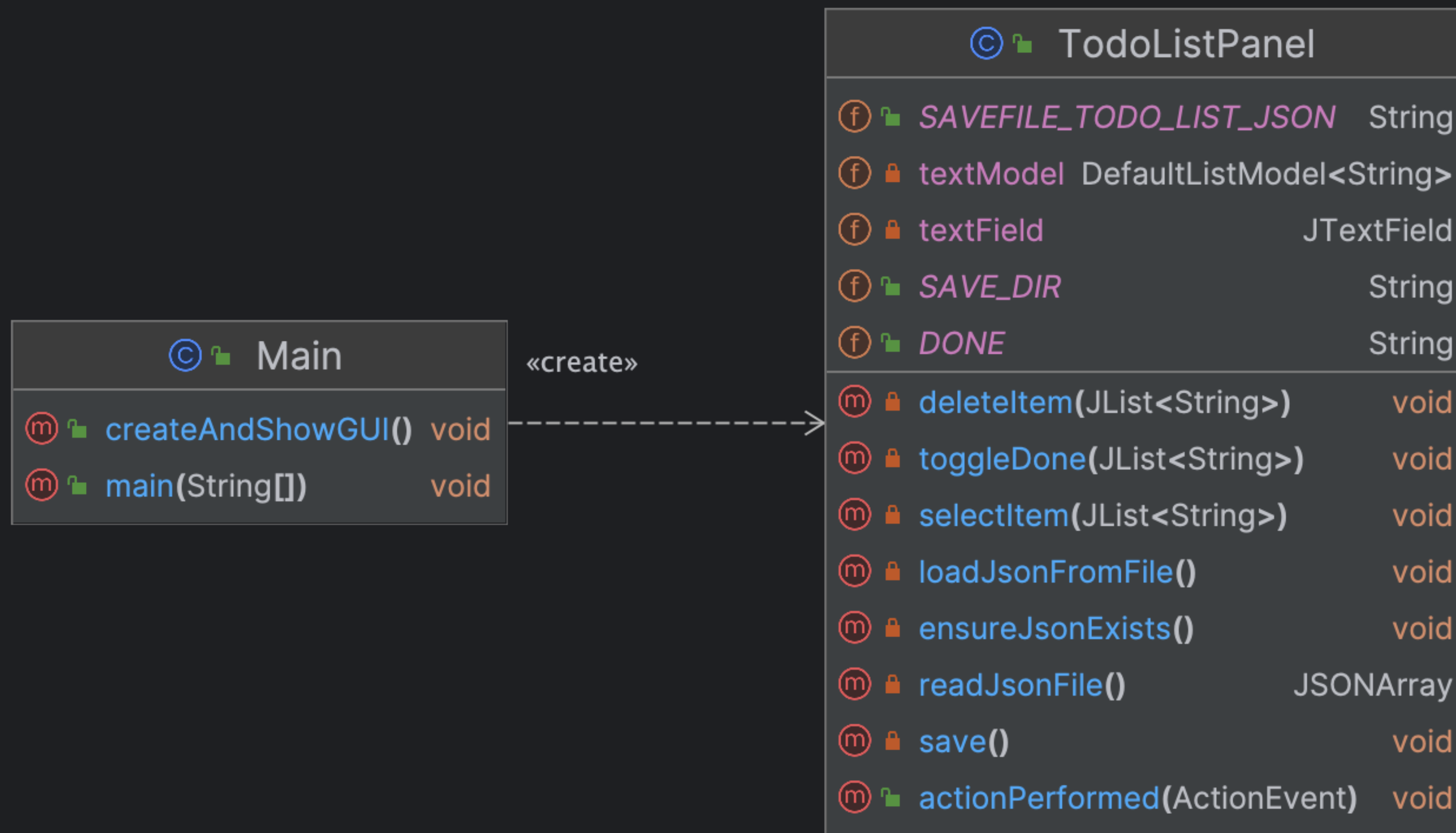
# UML diagrams

- visualizes the structure of your project
- showcases classes (and interfaces), along with their attributes & methods, and the interactions between them



# UML diagrams

## to-do-list app



what user stories does this satisfy?

which user stories are not yet implemented?

**divide into two subteams**, pick one user story and discuss what changes should be made.

# To-do-list app

## Towards a better design

- How would you refactor this project?
  - i.e. separate out entities (Todo Items, Lists), classes for data management, and logic between use cases
    - > cleanliness, readability, testability
  - what classes will you need to introduce?
- When demonstrating, *justify your design choices*.