Weeks 14 & 15 Class Diagrams

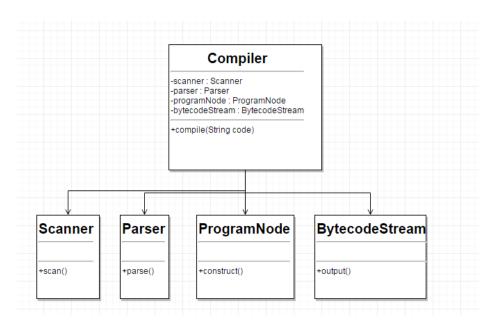
Group 5

A Programming Environment

- A compiler subsystem contains classes such as Scanner, Parser, ProgramNode, and BytecodeStream.
- The client classes need to use Scanner, Parser, ProgramNode, and BytecodeStream to compile some code.

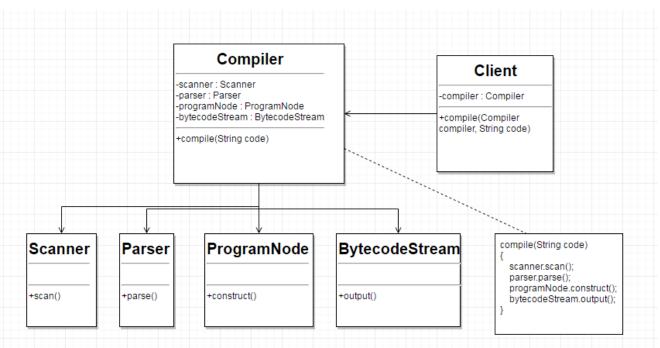
A Programming Environment₁

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A Programming Environment₂

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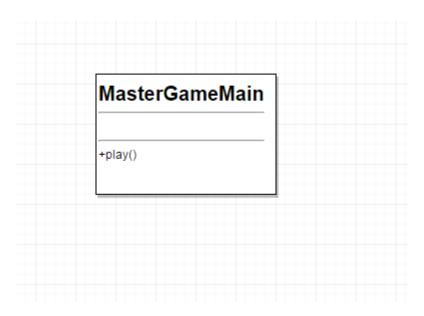


Master Game

- The main program of Master Game is MasterGameMain, and the entry point is the play() operation.
- The current state of Master Game is also kept in MasterGameMain.
- In order to provide save/load functionalities, MasterGameMain should be able to store and restore the snapshots of Master Game.

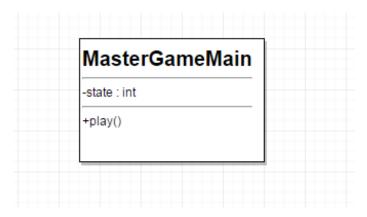
Master Game₁

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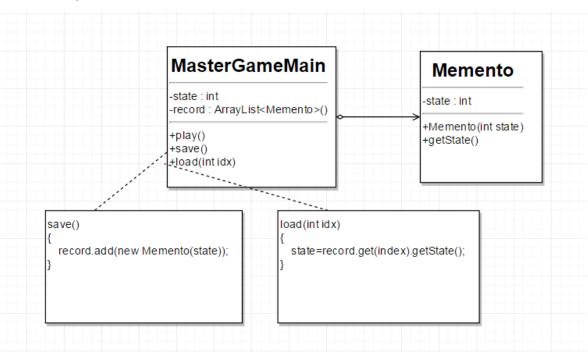
Master Game₂

The current state of Master Game is also kept in MasterGameMain.



Master Game₃

In order to provide save/load functionalities, MasterGameMain should be able to store and restore the snapshots of Master Game.

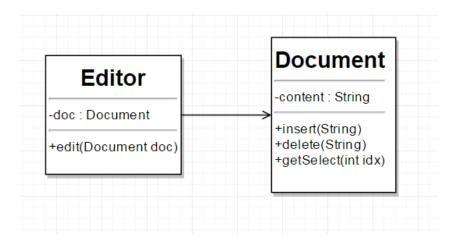


Cut, Copy, Paste on a Document

- An editor application carries a document.
- A menu in the editor application contains several menu items performing three specific operations: cut, copy and paste on a document when clicked.

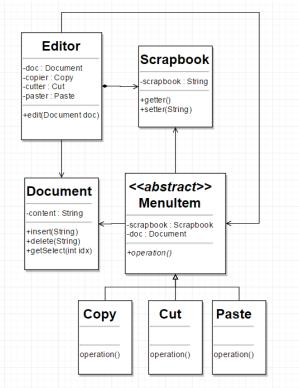
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Cut, Copy, Paste on a Document₂

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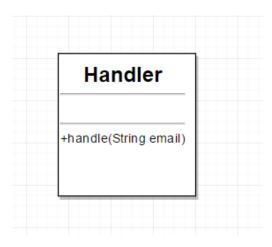


Email Handler for Enterprise

- An Email Handler for enterprise has ability to handle all received emails.
- The mail handling process of the Email Handler is as follows:
 - * If an email is a spam, it will be put in a spam box.
 - * If an email is a complaint mail rather than a spam, it will be forwarded to the legal department.
 - * If an email is a fan email, it will be forwarded to the CEO.

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