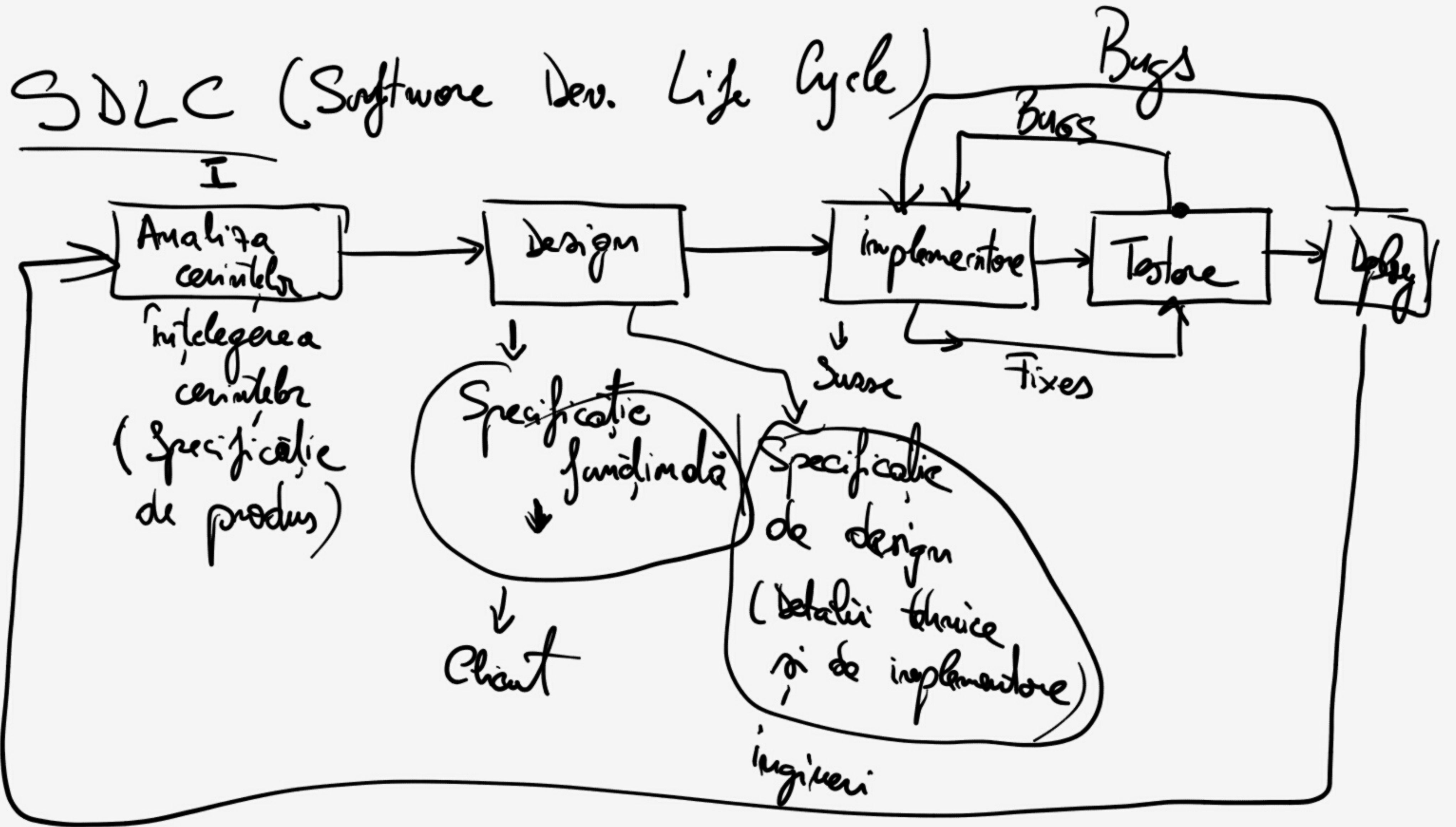
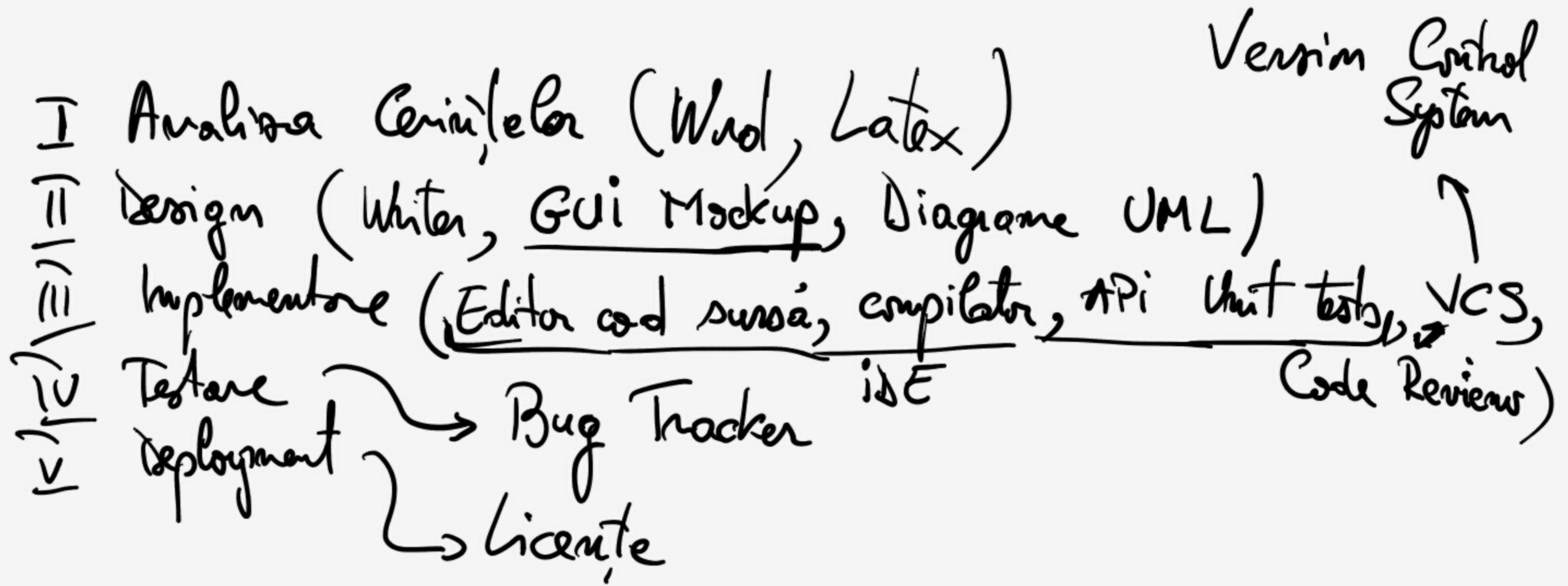


# PC

- SDLC
- Limbaj, compilator, IDE (Integrated Development Environment)
- C ↔ C++
- GCC
- Resurse online





Un limbaj  $\rightarrow$  o specificație

Limbă (Română)

Alfabet: Latin  $\rightarrow$  A-Z

Vocabular:

Gramatică:

Semantică.

Limbaj (C)

A-Z, a-z, 0-9, -, , , ;, : - - -

Keywords: for, if, while ... / Identificatori

a-z, A-Z, 0-9, -

Nu încep cu cifră

Sintaxă

Algoritm

\*  $\left[ \begin{array}{l} \text{int } v[3]; \\ v[10] = 3; \end{array} \right.$

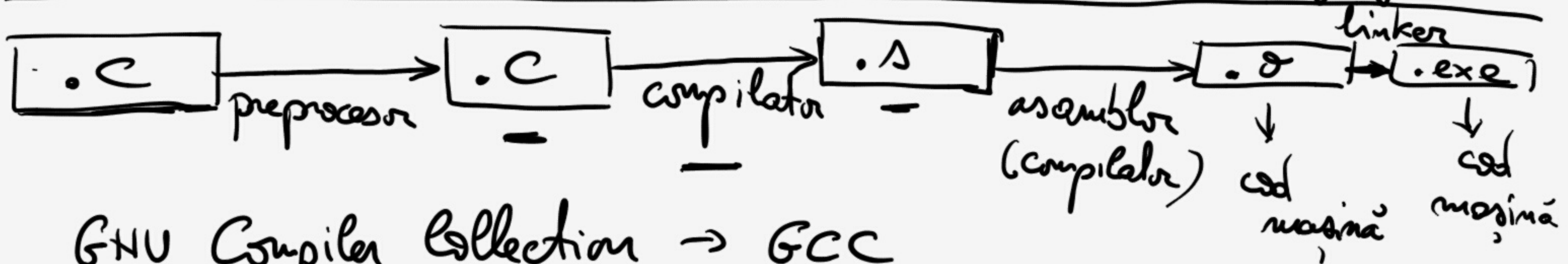
Română → Engleză

traducere

C → Limbaj de asamblare

Compiler

Program de traducere  
dintr-un limbaj formal  
în alt limbaj formal.



GNU Compiler Collection → GCC

IDE — editor de text  
↳ code highlight  
↳ autocomplete

↳ compilator

↳ debugger

↳ VCS

Visual Studio

IDE  
(C)

Eclipse

Netbeans

INTELLIJ

CLION

CODE::BLOCKS

Dev C++

printf

(C)

C++

cout

> close

= template

= namespace

=> streams