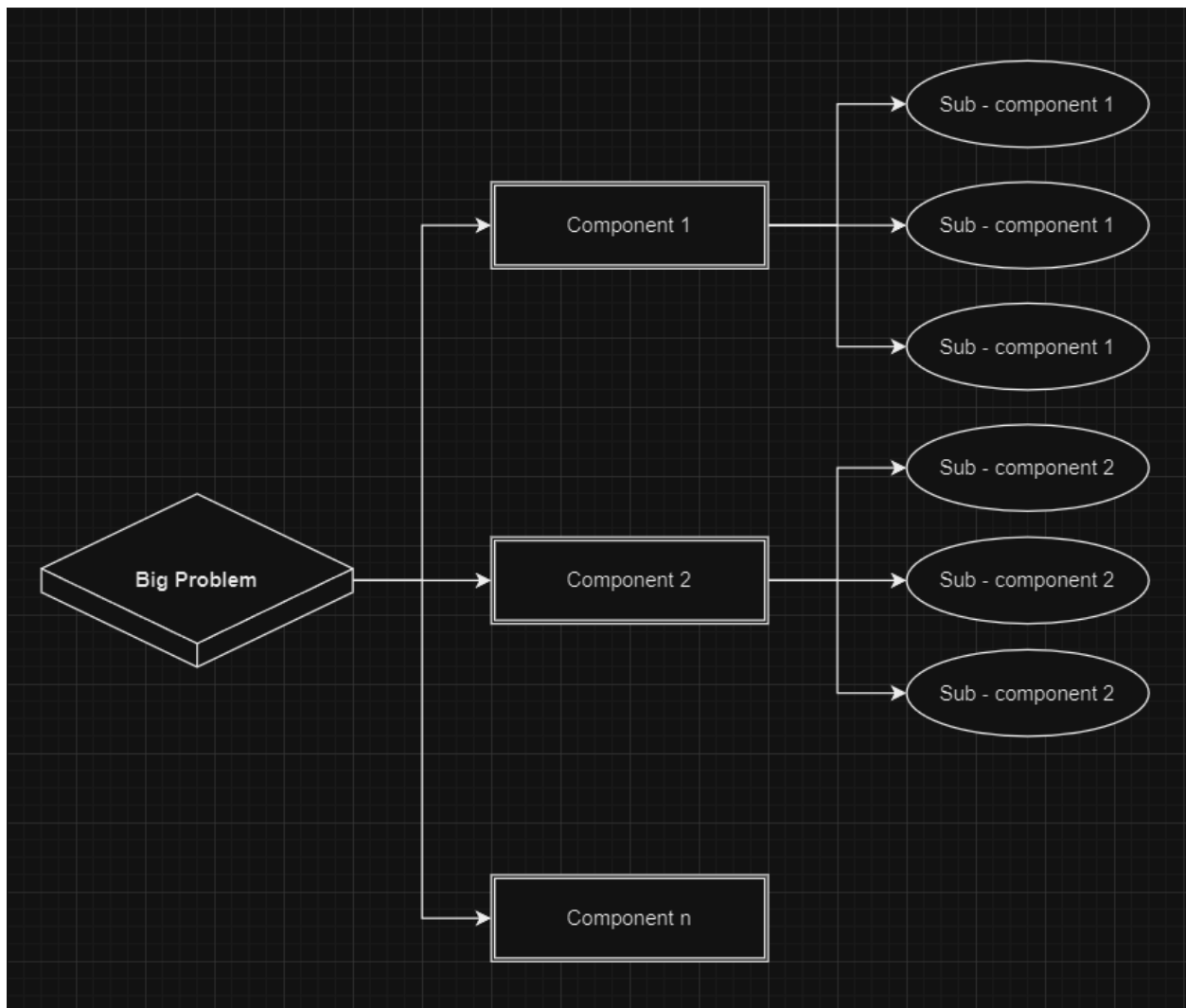


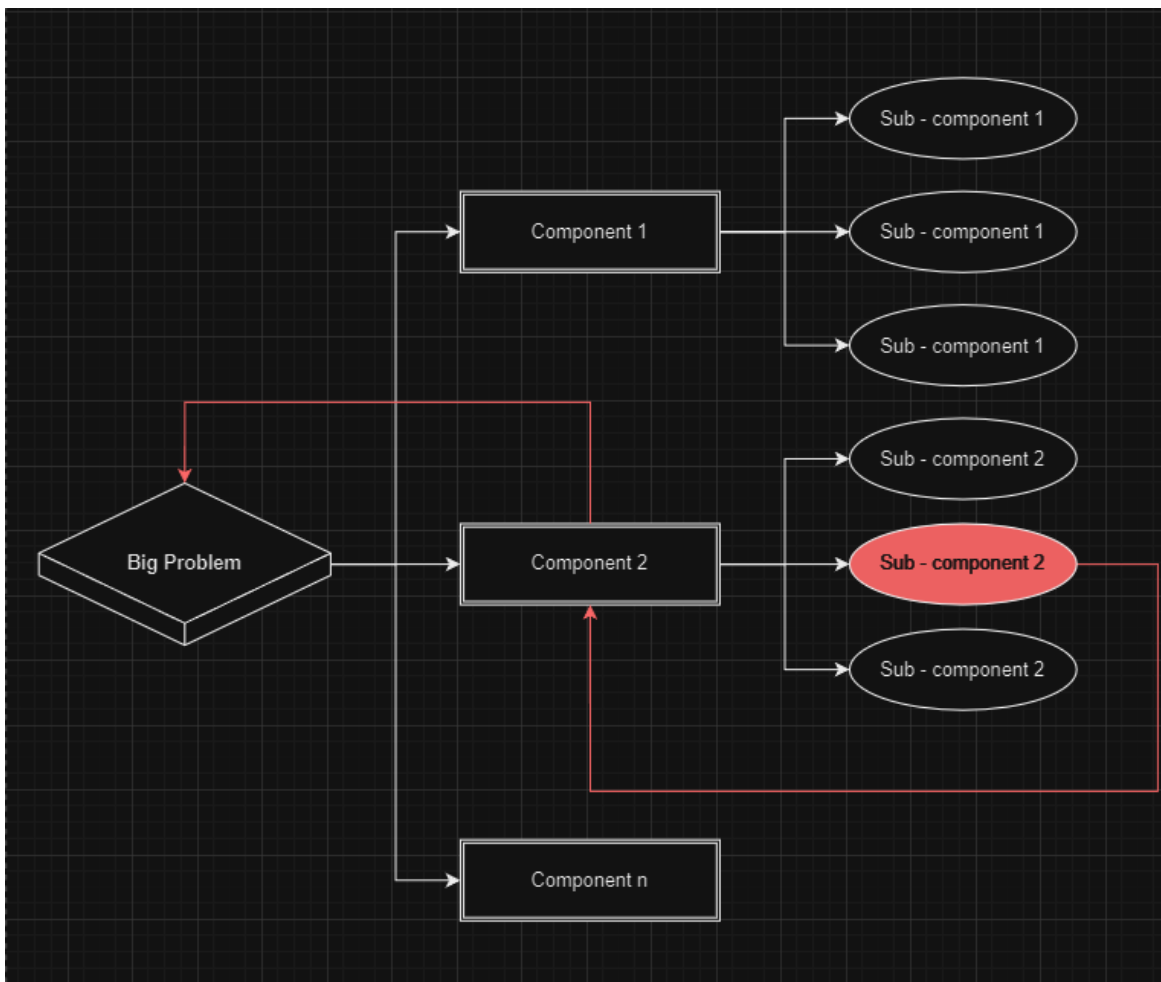
# CHALLENGE ZERO

❖ What is top-down approach and how to apply it to the assignment of the program?

- What is top-down approach?
  - Is a strategy, that starts with the big picture and breaks it down into smaller, more manageable pieces.
  - The overall goal or objective is defined first!



- Then broken down into small (sub-goal, component,...)
  - Flowchart
  - Mindmap
  - ...etc
- Ensures everyone is working toward the same goals.
- How to apply it to the assignment of the program?
  - Using the program's mindmap as the highest levels.
    - Each mission should be divided into smaller and easier to understand and complete.
    - Make clear output when completing a mission.
  - Review output and consider a better plan if able
  - Consider using bottom-up whenever ever get stuck on a sub-mission or sub-component of a mission.



❖ How to learn and learn fast?

