

Turiba University

Nazila Jafarli

## HISTORY OF PROGRAMMING LANGUAGE

ACADEMIC BACHELOR THESIS

Computer Systems

Author:

Nazila Jafarli

Thesis Advisor:

Jānis Pekša

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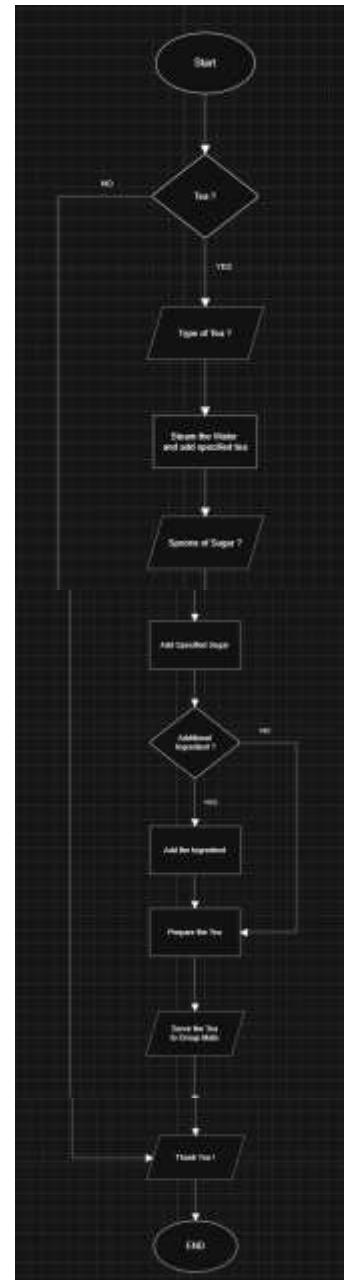
# Flowchart N1. tea for group mate.

## CONS

- The shape rectangle means some process, however it been used as input/output point
- The questions should be in a diamond shape.
- Add a clear question to define the condition.

## PROS

- It correctly identifies the need for decision and for loops
- The flow clearly maps out the core stages of a secure file request and transfer process.



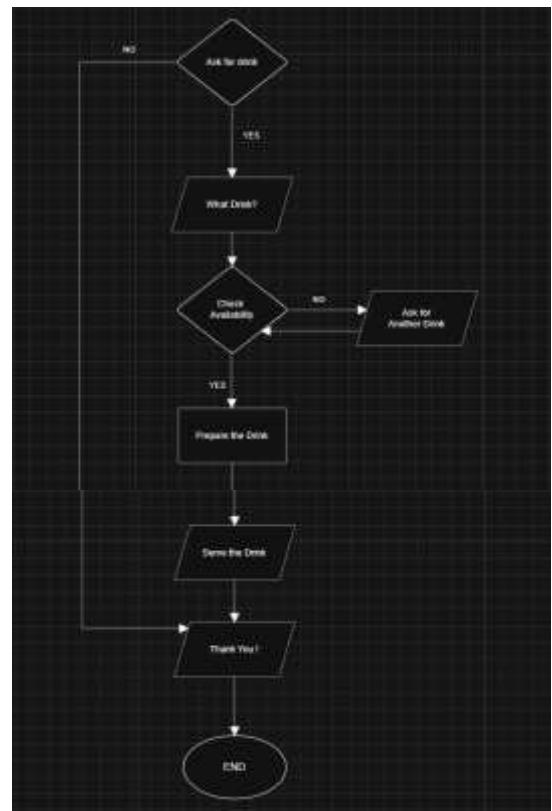
## Flowchart N2. Drink for party member.

### CONS

- Some input step as “Ask for another drink” is missing.
- The “NO” path from “Ask a for drink” jumps to “Thank you!” and it does not make sense.

### PROS

- The chart establishes a clear and easy to understand process.
- The overall layout is simple and follows a mostly top down vertical structure, which is the easiest way for the human to understand.



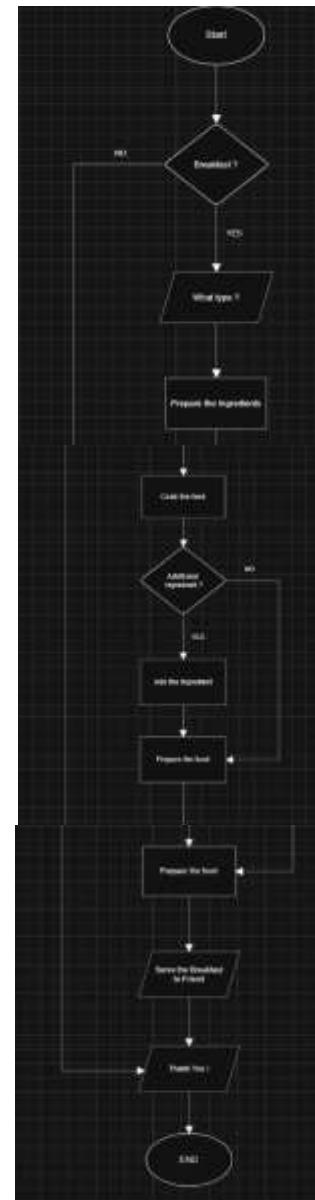
## Flowchart N3. Breakfast for friend.

### CONS

- The “Thank You!” step should be in a rectangle not in diamond.
- There is a lack of differentiation in preparation as the “Prepare the ingredients” and “Prepare the food ”are too similar so it can be confusing.

### PROS

- The flowchart correctly gives optionality by the “ Additional ingredient” loop.
- The goal of the flowchart is clear.



## **Conclusion**

Overall the flowcharts are fine but there are things that could be improved. Despite this, everything is clear, so I would rate this task with an 8.