

## Problem statement

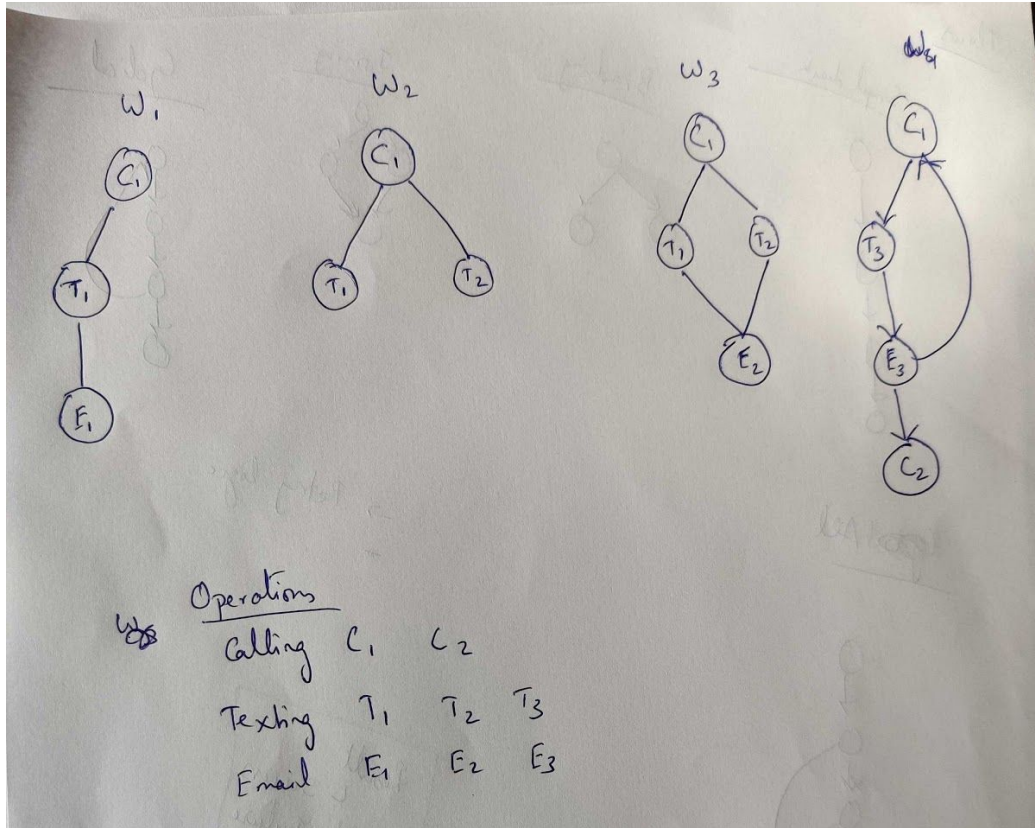
SquadIQ runs multiple workflows for it's customers. Each workflow has a set of multiple campaigns. There are 3 types of campaigns currently Texting, Calling & Email. Currently the team has a [linear workflow system](#) built by an intern.

The product team has done some research based on which they'll like to have a more robust workflow system.

You are tasked with modifying the existing workflow system to meet these needs.

### Product requirements

1. New operation to be added to the workflow => Get lead metadata (age, gender, state)
2. Two new operations/campaign types to be added
  - a. Lead update,
  - b. IVR
3. Ability to define & implement sophisticated workflows
  - a. Branching logic based on the metadata *e.g. if age > 50 then X else Y*
  - b. Branching logic based on the result of the current node *e.g. if result == success then X else Y*
  - c. Cyclical flows
  - d. Retries on failure
4. Ability to add more calling, email or texting campaigns to the workflow



## Evaluation criteria

You have 60 mins for finishing the requirements. We expect you to write a production like high quality code. We will not only evaluate correctness but also how well you write, structure & design your code.