

You need to write a **Solidity** smart contract that will act as verification/eligibility for some person for some specific purpose.

## The Assignment

A company is looking for job candidates for developer positions. The hiring process involves several steps(for example, technical interview, design/architecture interview, coding interview, HR interview, etc.), each of which is approved by the person responsible for that step. If the candidate is approved for all the steps, his status will be changed to verified for the job.

The main goal of this assignment is to write a smart contract that represents the status of the candidate and each of the steps.

The smart contract functionality should support the following:

- The ability to update each step status is only available to the person responsible for this step.
- The ability to update a step is a one-time action, so if a step state(passed/not passed) is defined, it can't be changed anymore.
- The primary status should be updated to verified only if all the other steps are approved.
- The data regarding the candidate's steps and primary status should be exposed only to the manager(the person who deployed the smart contract) and HR.

Please implement the smart contract by focusing on the following:

- Correctness of implementation
- Gas and storage efficiency
- Test coverage and quality
- Code readability and documentation
- Technical design and architecture
- Error handling and edge case management