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Ans to the Q.No-1

DevOps: DevOps is a set of practices that combines software development and IT operations.

Why I should go with DevOps:

1. Increase team flexibility: If I go with DevOps then it will help the product development team a lot and provide adequate flexibility to them.

2. Less Problem: The DevOps works in such way that it ensures all things work in autopilot mode that helps an organization to keep its focus on their core business.

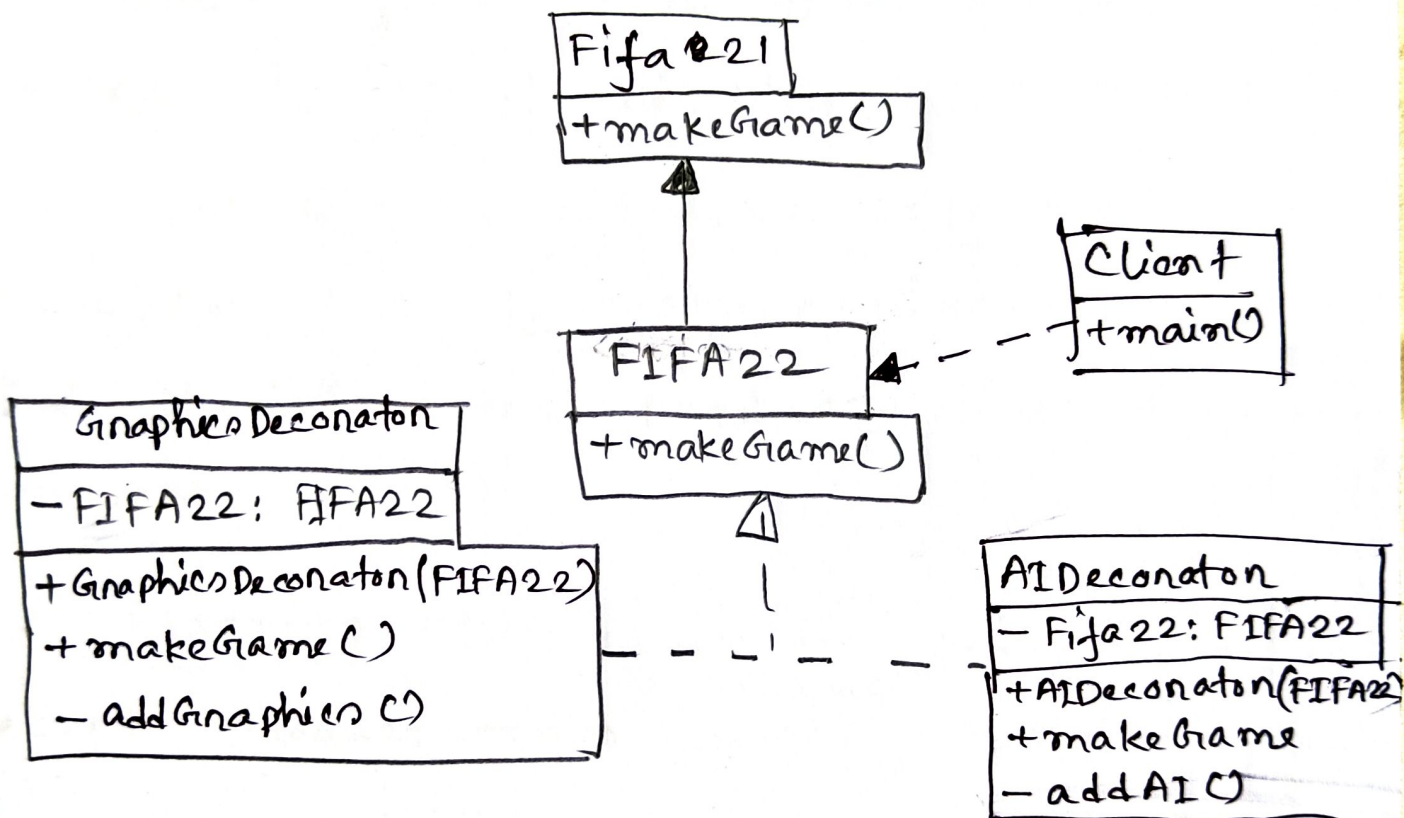
3. In start up the budget always the primary constraint ~~then code at its~~ and it can't afford people to do processes for repetitive things on tasks.

hence using DevOps then a mean of implementing certain tasks via automation.

Why shouldnot: DevOps is a continuous integration and continuous delivery process. So in this two team development and operation any of them is unavailable for some instance then the whole process will be failed. So every team must be attentive fully when they start their start up.

Ans to the Q. No-2

This scenario can be implemented by decorator Method.



Ans to the Q. No-3

The stages in SDLC that may require the involvement of product team and business team;

Business Team: are those team who are contacted by the client directly, and product team are who doesn't have any coding knowledge but they can ensure the client that whether this products can be make or not.

Plannings: After getting the order from client product team started planning that how the product can be made.

Define Requirements: Product team knows about their resources. So they can ensure that the required hardware, software or skilled person are available or not for this order.

Designing and Prototyping: Sitting with development team, product team makes all kinds of diagram. and then product team show a sample for client.

Deployment: After making the products product team hand over the products to the client.

Maintenance: ~~After~~ It's an endless process. If even client faces any problem they will contact with business team or products team.

Ans to the Q. No-4

Git is a distributed version control system. Because in Git each client/developer holds a complete copy of the code base. In distributed version control we know ~~de~~ each developer will get fully mirror of the repository including its history. In git we also get this same way. That's why Git is distributed version control.

Correlation between Git and GitHub:

Git is a version control system that help us to manage and keep track of our source code history where GitHub is a cloud-based hosting service that let us manage Git repository.

If we compare with compiler and IDE then Git is compiler and GitHub is IDE. Here IDE uses compiler to compile the code similarly GitHub uses Git.

Ans to the Q. No-5

This scenario can be implemented by Strategy Method.

