ANSWER TO THE Q. NO. 01

Software Development Life Cycle is the application of standard business practices to building software applications. It's typically divided into six to eight steps: Planning, Requirements, Design, Build, Document, Test, Deploy, Maintain.

Planning And Requirement Analysis: Requirement Gathering is the most important stage in SDLC. Business analyst and project organizer do client meeting to gather all the requirements of the clients like what to build who will be the end-user, what is the purpose of the product etc. Before creating a product a core understanding or knowledge of the product is very necessary.

Requirements: Once the requirement analysis is done, the next stage is to surely document the software specifications and get them approved by the project stakeholders.

Design: In this stage, the requirements gathered in the SRS document is used as information to obtain the software architecture.

Test: After the code is generated it is tested against the specifications to ensure that the products are solving the needs directed and inferred during the requirements stage. During this phase several testing like unit testing, integration testing system testing, and approval testing are done.

Deployment: Once the software is approved, and no bugs or errors are asserted, then it is deployed.

Maintain: Once the client starts using the developed software, then the real issues start coming up.

ANSWER TO THE Q. NO. 02

Good software design should exhibit:

Firmness: A program should not have any bugs that inhibit its function.

Commodity: A program should be suitable for the purposes for which it was intended.

Delight: The experience of using the program should be pleasurable one.

I think about TikTok application whether it ensure all these qualities. Now a days TikTok is a most popular social media entertainment platform.

Firmness: TikTok is not a fulfil firmness. Cause TikTok give some errors sometimes. Like it hang our phone suddenly.

Commodity: TikTok is a really good editing app. The things that you intended to do it can be done pretty easily. As the software has a huge community.

Delight: TikTok is delightful. Cause people use TikTok and enjoy. They feel comfort and easily use this and they happy with this. So it is delightful.

So, TikTok application is almost a good application.