Date	19-10-2023
Team ID	TSK-8446675
Project Name	Project -Subscribers Galore : Exploring World's Top Youtube Channels
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.

  solution architecture is a multifaceted process that requires a deep understanding of both business and technology. It involves a holistic approach to problem-solving, ensuring that the chosen technology solution aligns with the organization's strategic goals and effectively addresses existing challenges.

- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.

  By addressing these aspects, solution architects ensure that stakeholders, including project managers, business analysts, developers, and end-users, have a clear and comprehensive understanding of the software's architecture and its implications. Effective communication is key to the success of any software development project, and well-documented architectures contribute significantly to that success.

- Define features, development phases, and solution requirements.

In summary, features represent the individual functionalities of a software product, development phases outline the stages a project goes through, and solution requirements define the detailed specifications that guide the development process. These concepts collectively contribute to the successful planning, design, and implementation of software solutions.

- Provide specifications according to which the solution is defined, managed, and delivered.

By adhering to these specifications, teams can effectively manage the development process, ensure quality, and deliver a solution that meets the specified requirements within the defined timelines. Clear and comprehensive documentation is essential for successful collaboration and project outcomes.

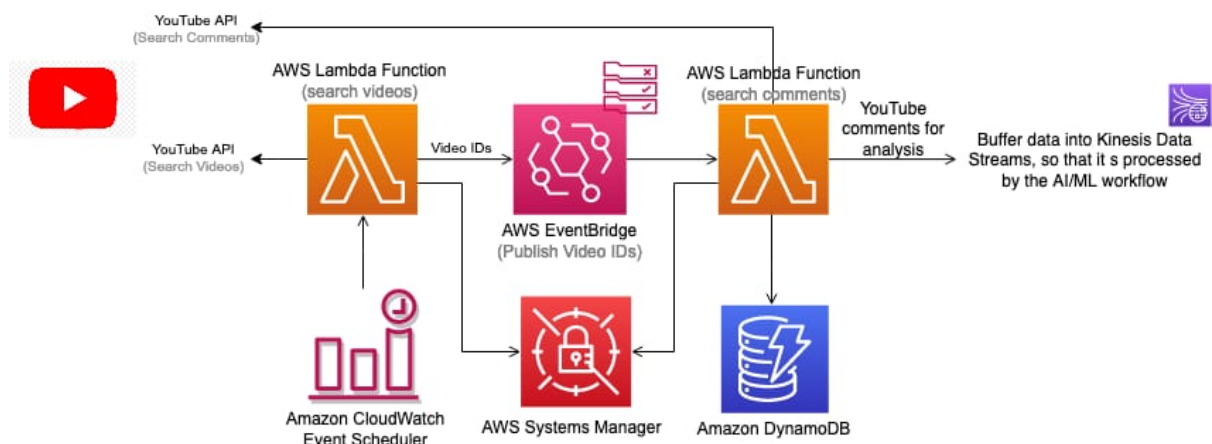**Example - Solution Architecture Diagram:**

Figure 1: Architecture and data flow of the voice patient diary sample application