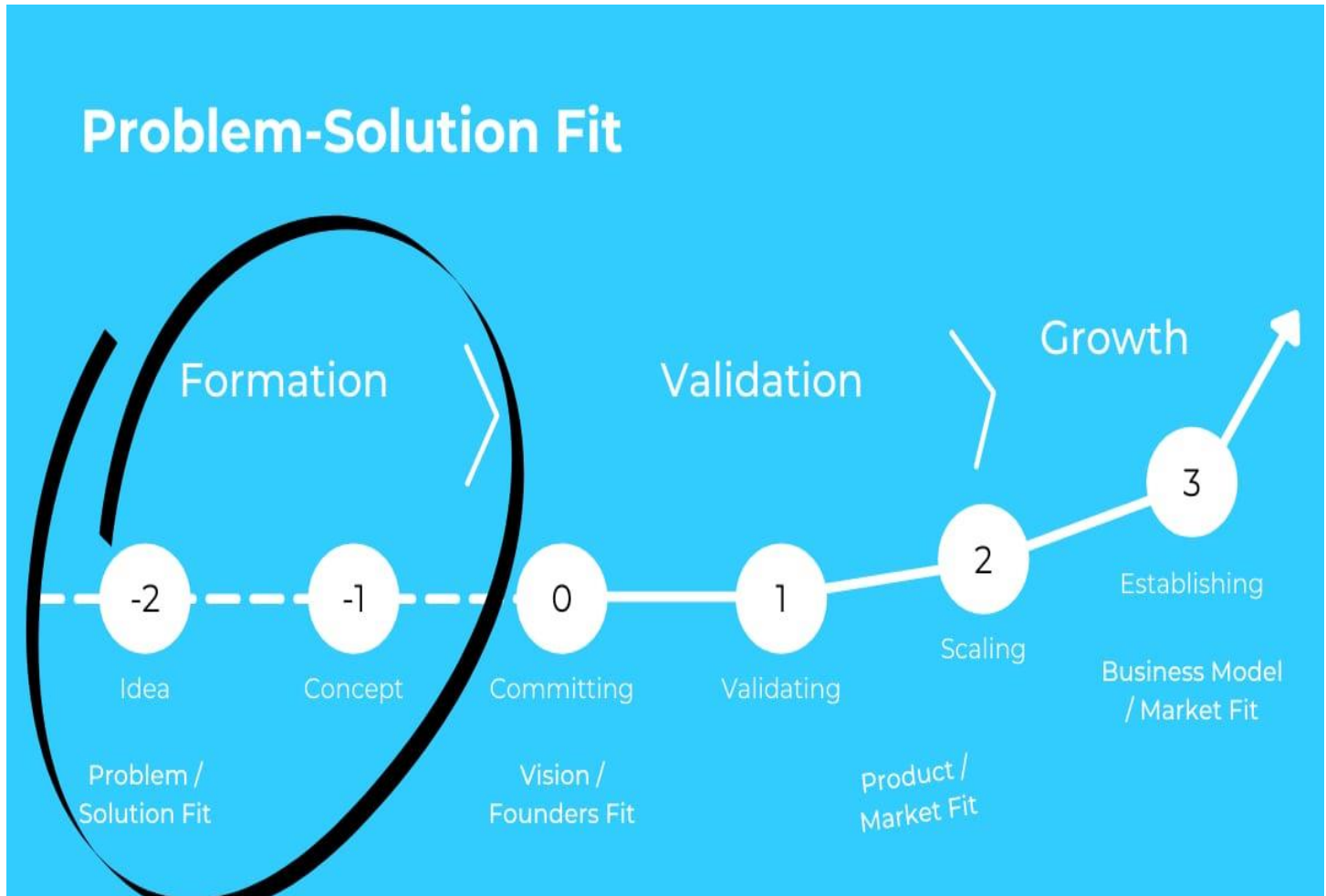


Problem-Solution Fit

Team ID	PNT2022TMID46252
Project Name	IOT based Smart crops protection system for agriculture
Team Members	Sneha, Monisha, Sugashini, Gokila.



PROPOSED SOLUTION

Team ID	PNT2022TMID46252
Project Name	IOT based Smart crops protection system for agriculture
Team Members	Sneha, Monisha, Sugashini, Gokila.

PROPOSED SOLUTION



- ▶ List steps taken to solve the problem such as but not limited to:
 - ▶ Research RFID systems and how they work.
 - ▶ Research Arduino microcontrollers.
 - ▶ Design an RFID based system with an Arduino microcontroller.
 - ▶ Finding reasonable resources to obtain hardware needed for this project.
 - ▶ Writing custom code for Arduino.
 - ▶ Configuring hardware and software.
 - ▶ Troubleshooting issues with hardware/software.
 - ▶ Testing in a real-world environment.
 - ▶ Verifying results



Project Design Phase-I Solution Architecture

Date	14 November 2022
Team ID	PNT2022TMID46252
Project Name	Project – IOT based smart crops protection system for agriculture.
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.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

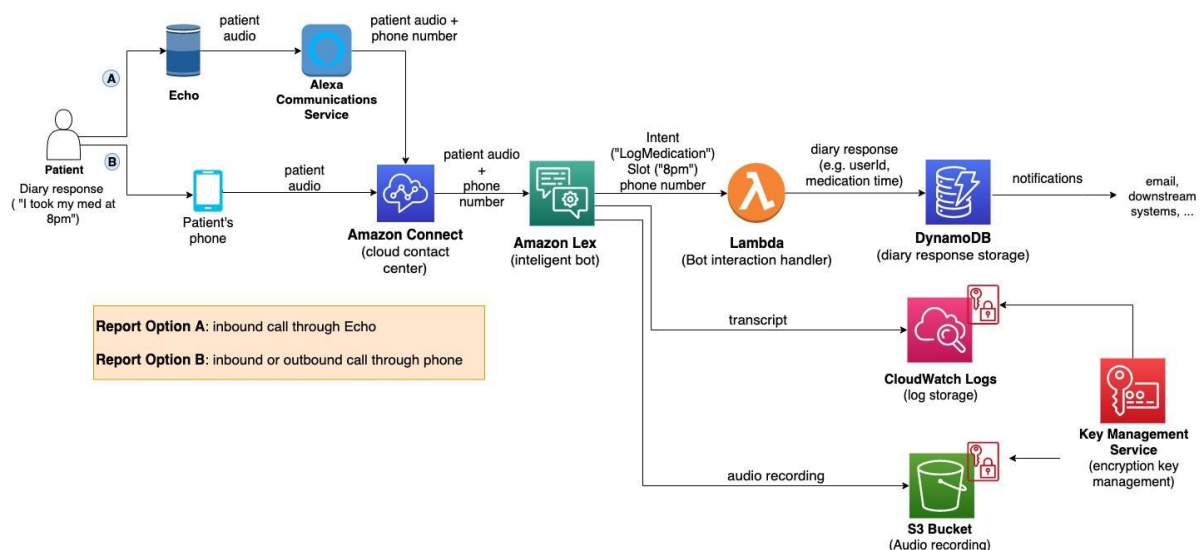


Figure 1: Architecture and data flow of the voice patient diary sample application

Reference: <https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/>