



CRYPTOVISION EVIDEN

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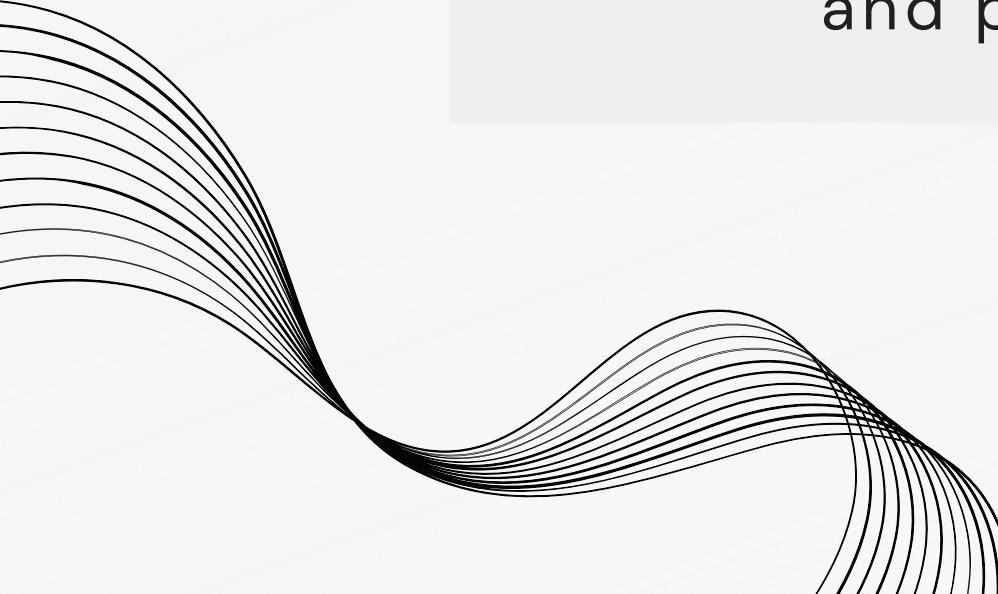
INTRODUCTION



Goal here is to focus on UML Modeling from Software Design perspective and convey simple System Design in the simplest way possible.



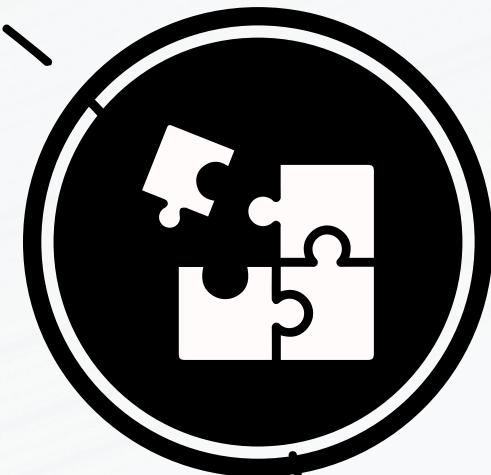
Bridging the gap between stakeholders, reduces misunderstandings, and streamlines development, ultimately improving efficiency and project outcomes.



OVERVIEW

UML

Teams can communicate and collaborate by providing a unified language to design and visualize system structures and behavior.



PKI

Summarize the importance of secure communications and certificate-based encryption from Application Perspective.



APPROACH

Maximizing the Use of UML Diagrams: From Code Representation to System-Level understanding, Including PKI Security, with broader business objectives.

Blueprint of the system's classes, attributes, methods, and their relationships, which guides code implementation.

CLASS

The functional requirements of the system from the users perspective

USECASE

Interaction amongst software components enhancing system design and providing a bigger picture of the architecture.

COMPONENT

UML MODELING

Mission



Technical Perspective: Provides a standardized framework for visualizing and structuring system designs, enabling precise communication of software architecture and functionality among technical teams.

Cross-Functional Perspective: Facilitates understanding across diverse roles—developers, project managers, and business analysts—allowing each to interpret the system from their viewpoint. This alignment fosters better communication and ensures business and technical goals are in sync.

Vision



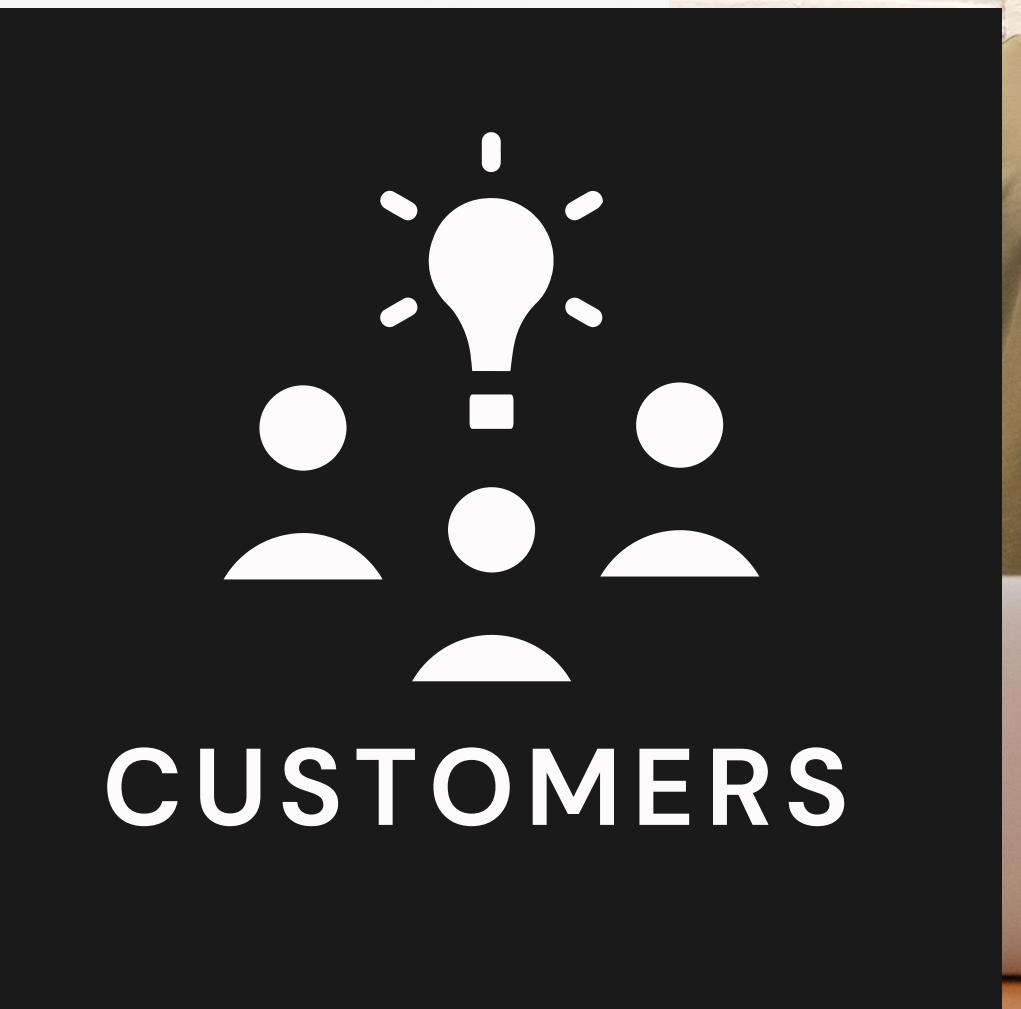
ONLINE SHOPPING SYSTEM

- Functionality: Search for products, manage their cart, and complete checkout.
- Object-Oriented Analysis:
 - Define classes for Customers, Products, and Orders.
 - Seamless payment processing.
 - Facilitate order fulfillment through a shipping company.

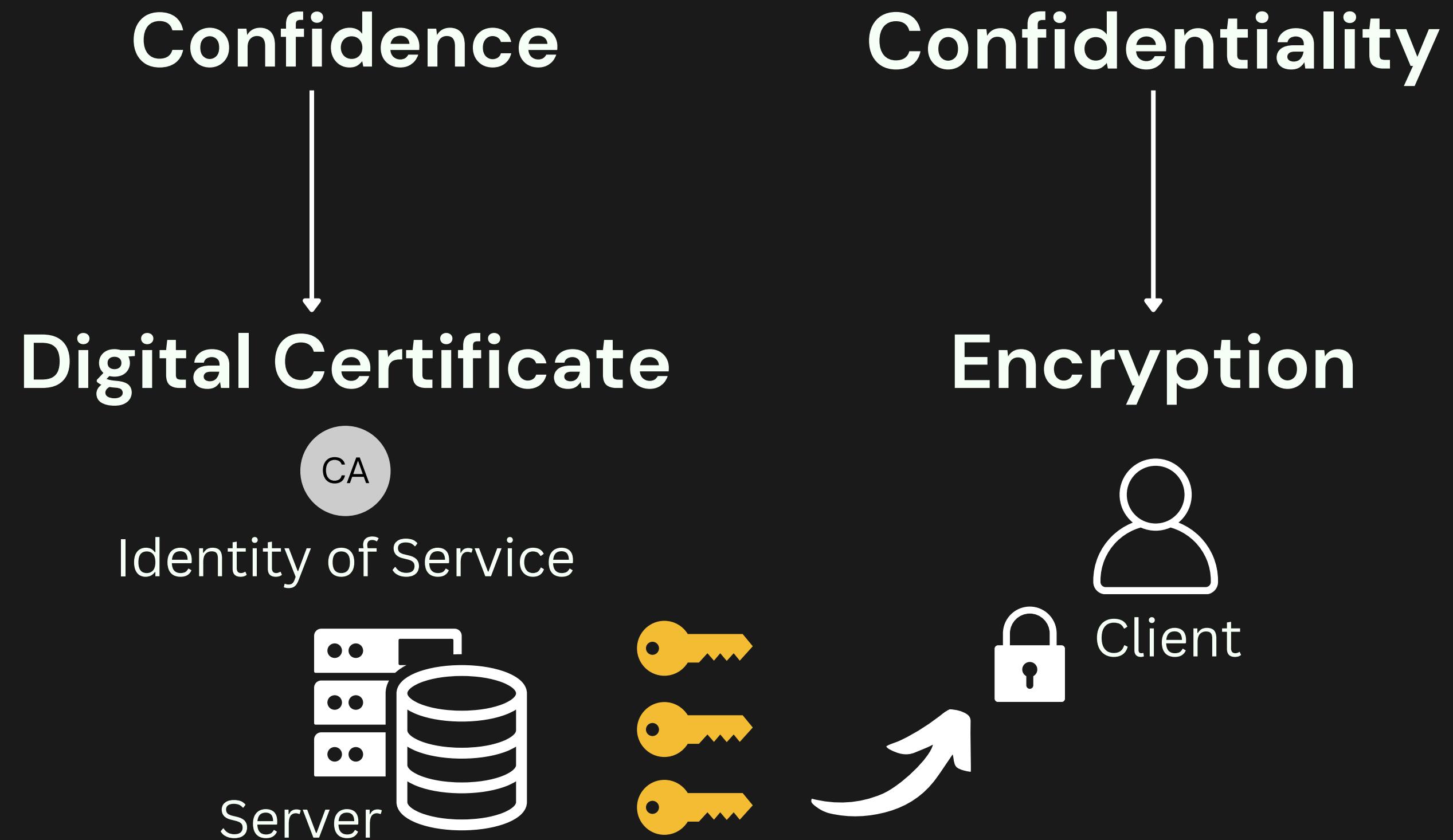
PKI

Security Layer:

- **Encryption & Authentication:** Displays how data is protected and verified.
- **Certificate Management:** Explains how digital certificates secure communications.
- **Scalability:** Ensures the system can grow while staying secure.



Framework

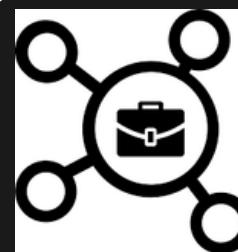


PERSPECTIVE



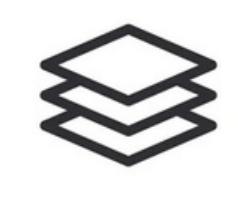
Agile or Waterfall, this serves as a common language for all, simplifying the entire development and delivery process.

METHODOLOGIES



Business domains are easier to grasp in the requirement phase with input from stakeholders and developers.

BUSINESS DOMAIN



Converting to source code is straightforward with Object-Oriented Analysis and Design concepts.

TECHSTACK

THANK YOU

Questions???

