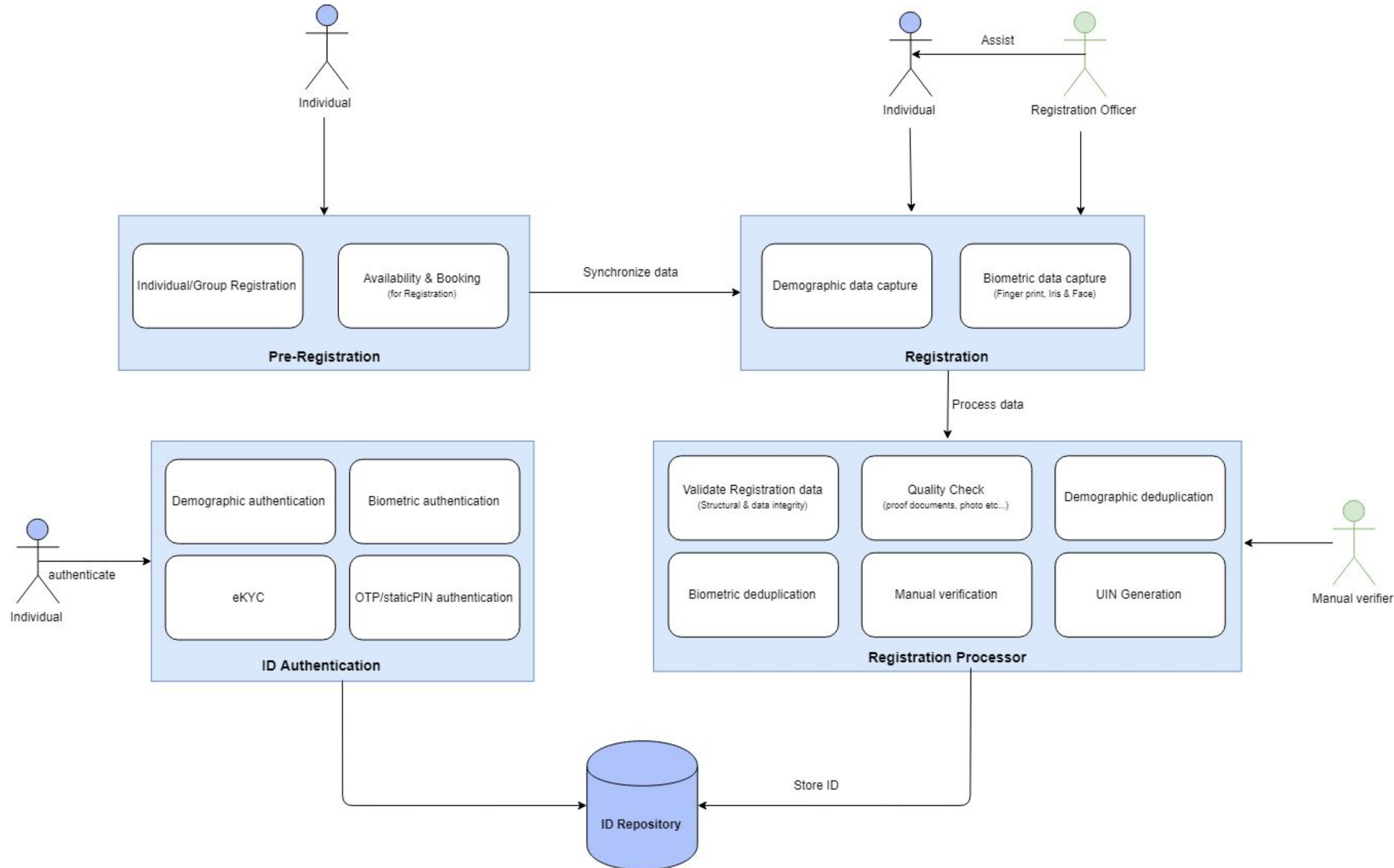


Modularity and Configurability

CONTENTS

- MOSIP Functional View (Context setting)
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MOSIP Functional View



Key Modules

- Pre-Registration
- Registration Client
- Registration Processor
- ID Repository
- ID Authentication

Modularity & Configurability - Key MOSIP Principles

**MOSIP is a
generic platform**

MOSIP adopters must have the flexibility to choose the features of the base platform to build a fully functional ID system

**MOSIP provides
default behavior**

MOSIP platform will have only the default behavior. Adopters of MOSIP should be able to configure the behavior as per their requirements

Modularity in MOSIP



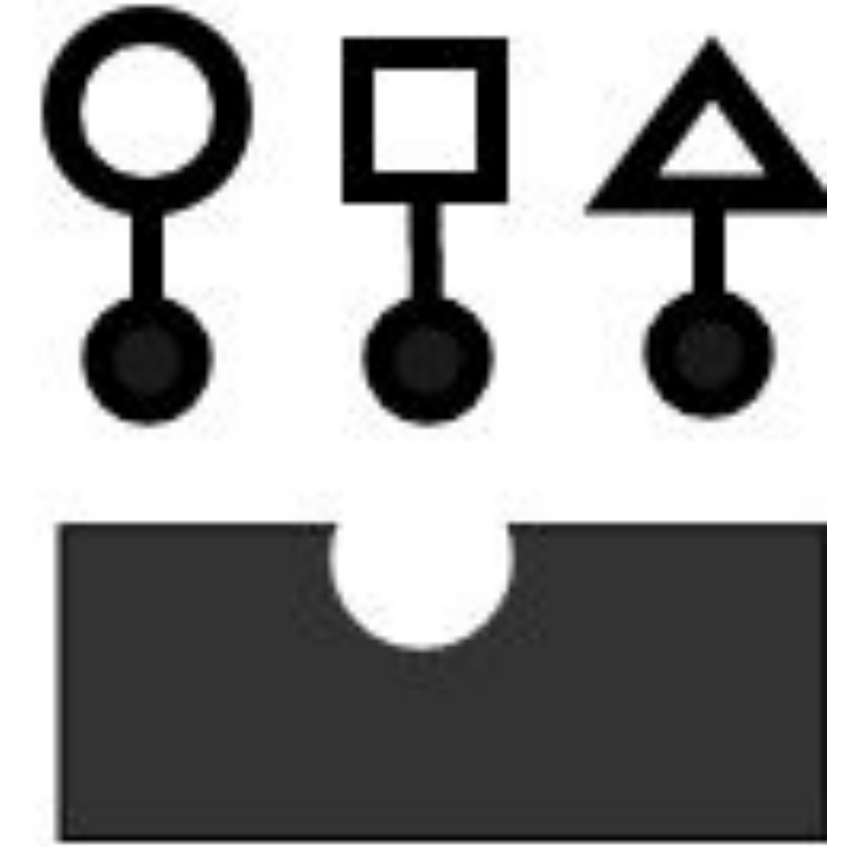
Platform level modularity

A MOSIP adopter may choose not to have Pre-Registration module



Component level modularity

A MOSIP adopter may choose not to include Finger Print capture in Registration Client



Feature level modularity

A MOSIP adopter may choose to implement their own UIN generation algorithm instead of the default

Configurability in MOSIP

Platform level configurability

- A MOSIP adopter should be able to define the attributes of an ID
- Languages to be supported

Component level configurability

Adding a new step in processing registration data (for example, integrate with an existing ID system of the country & validate data)

Feature level configurability

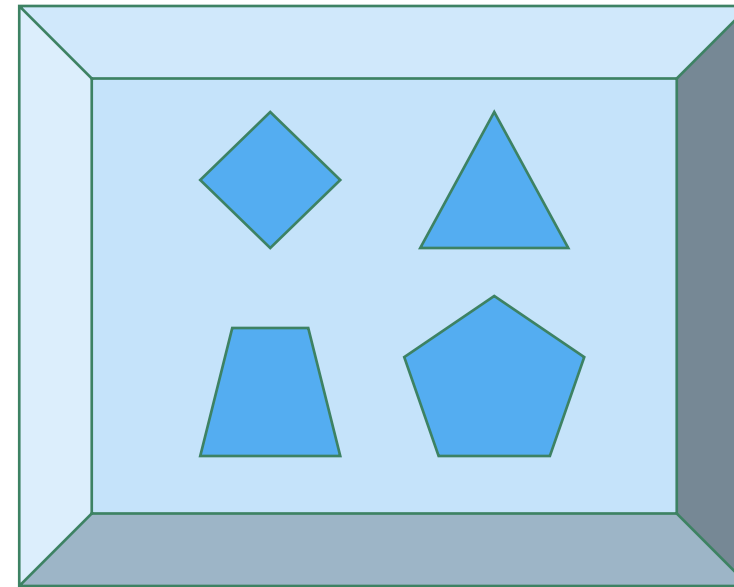
- Length of UIN
- Date format

MOSIP Design Approach



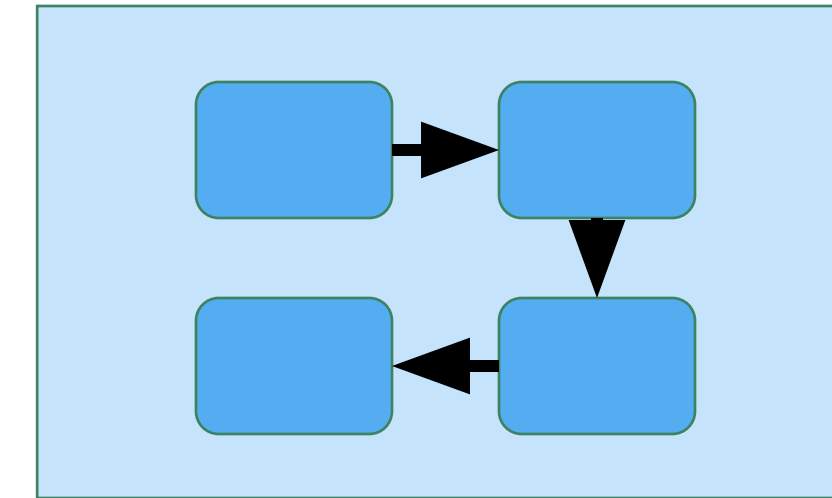
Configurable ID Object

MOSIP adopter can define the attributes an ID must contain as per their requirements. MOSIP will be able to handle and process the data as per the ID Object definition



Microservices Approach

MOSIP has adopted microservices architecture approach to expose its features. This helps achieve modularity and breakdown features to the right level of granularity



Staged Event Driven Architecture (SEDA)

MOSIP has adopted SEDA for Registration Processor module. This helps achieve modularity as well as configurability of the stages