General System Features

- **Service-Oriented Architecture (SOA)** with full compliance to security standards and relevant protocols.
- **JWT-based authentication** for services to enhance security.
- Backend implemented using **ASP.NET MVC Core 8**.
- **OWIN** integration with **Claim-based authentication** for web pages.
- Service implementation using **ASP.NET REST API 8** with **JSON** data exchange.
- Frontend built with **HTML5, CSS3, jQuery, Bootstrap**, and fully **Responsive forms**, independent of client-side frameworks such as React or Angular.
- **Stimulsoft** integration for advanced reporting.
- **Highcharts** for generating 2D and 3D graphical charts.
- **SQL Server** as the primary database with support for concurrent connections to other databases; each module has its own independent database implementation method.
- **Advanced Logger** to record all system and user events with flexible reporting capabilities.
- **Customized core** (developed from scratch, without using any prebuilt system) supporting multi-language and multiple themes, with user-specific preference storage.
- Support for **hierarchical structures** and flexible access levels, suitable for small, medium, and large organizations.
- Multi-domain and subdomain management without data conflicts.

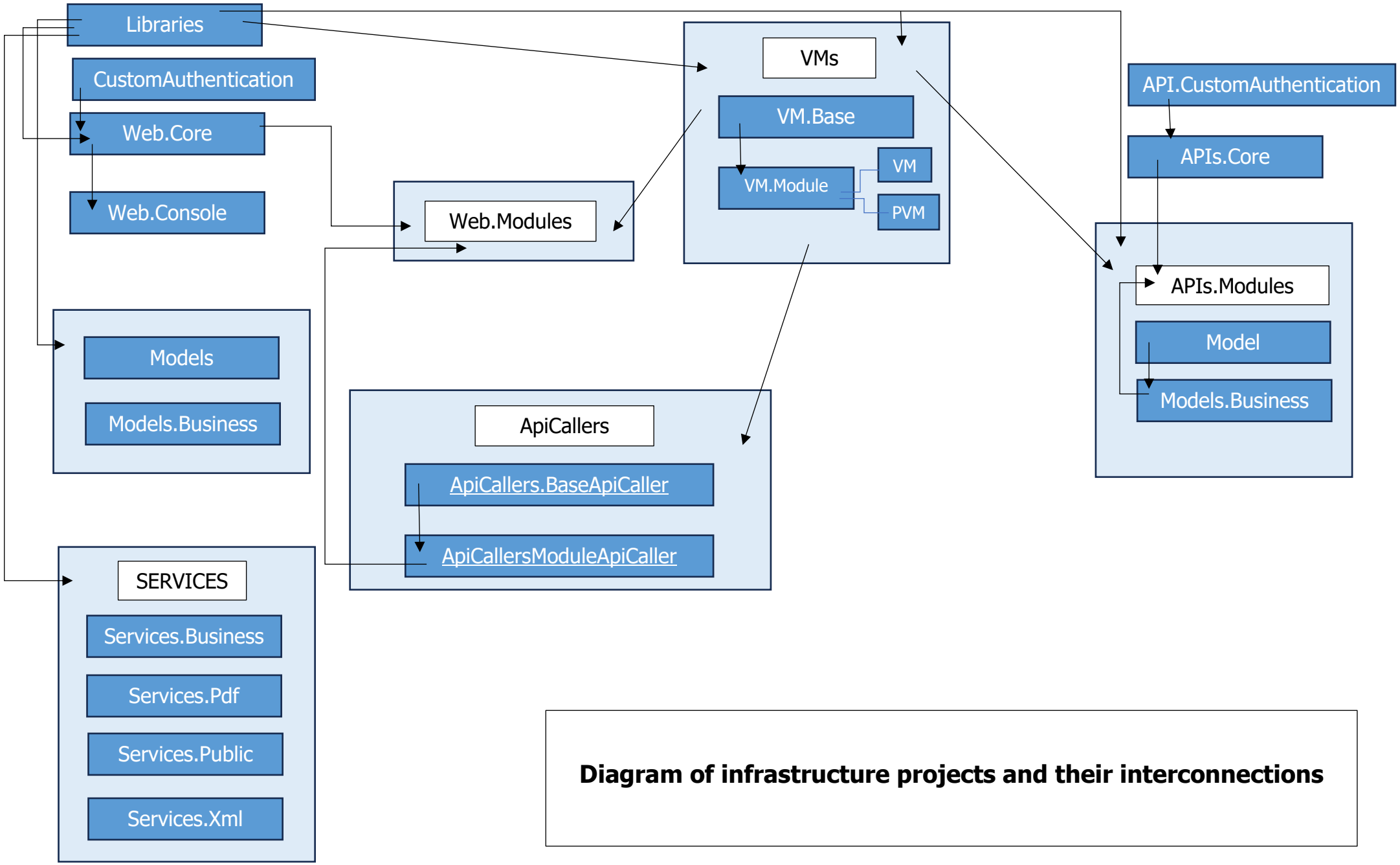
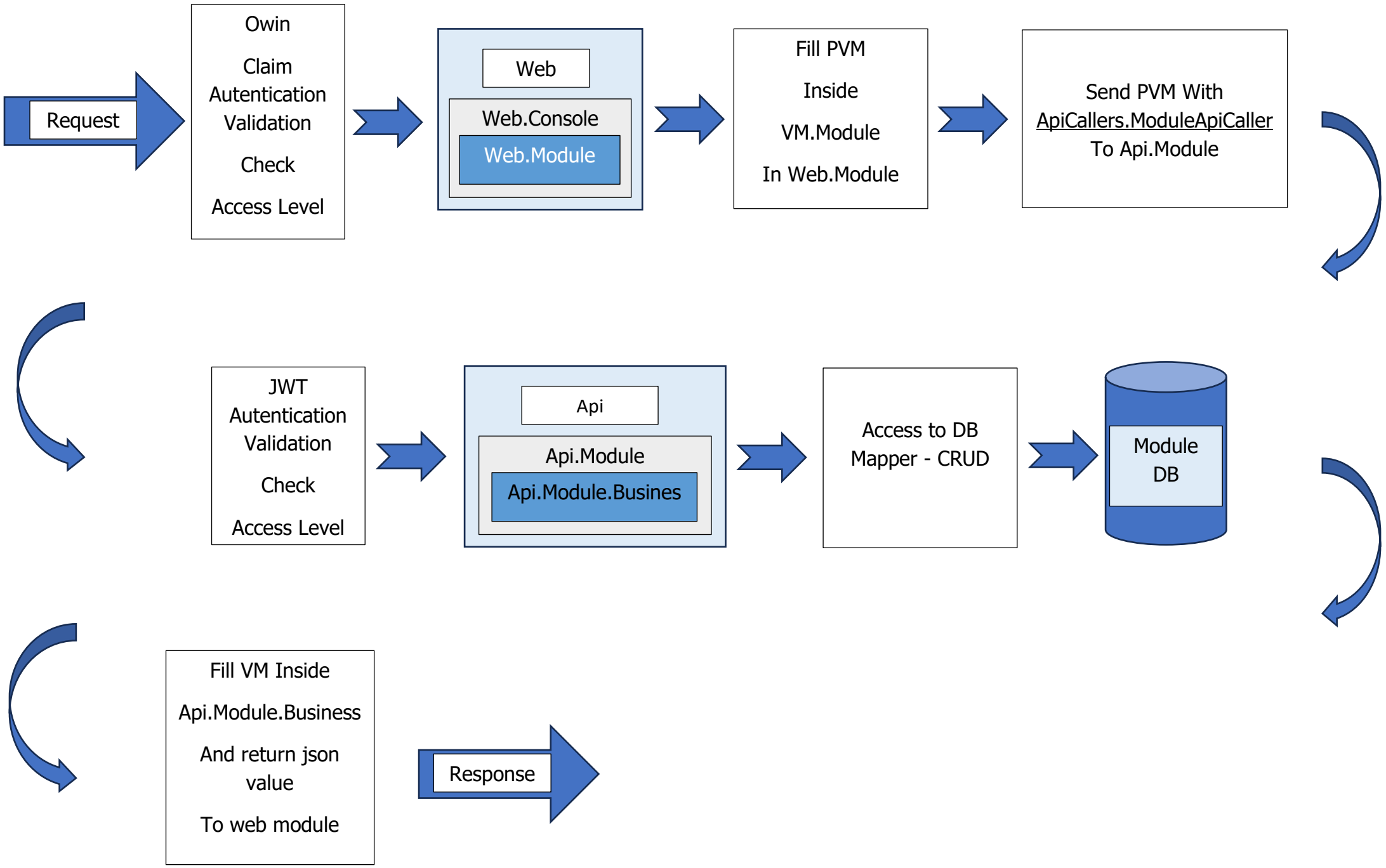
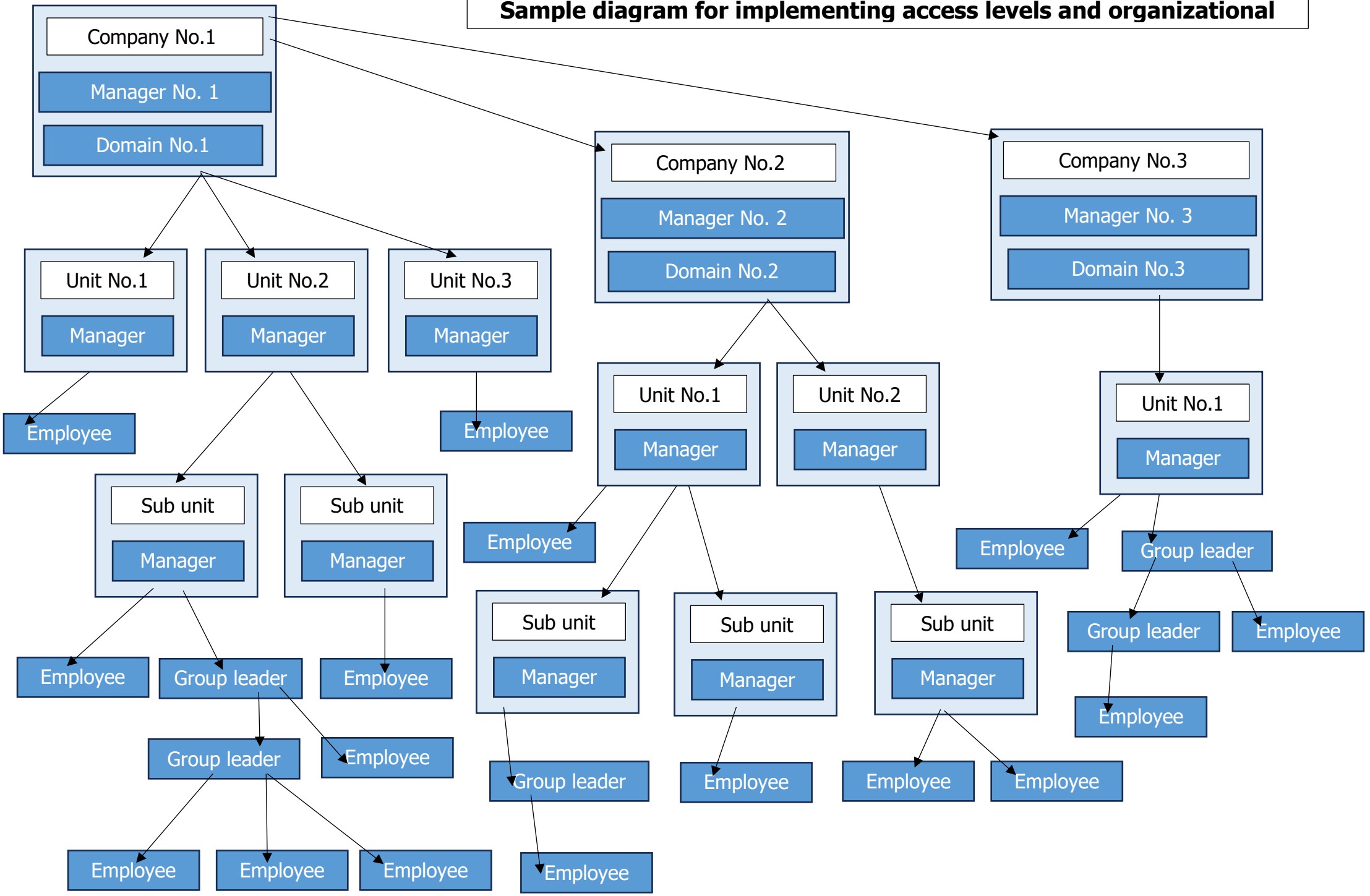


Diagram of infrastructure projects and their interconnections

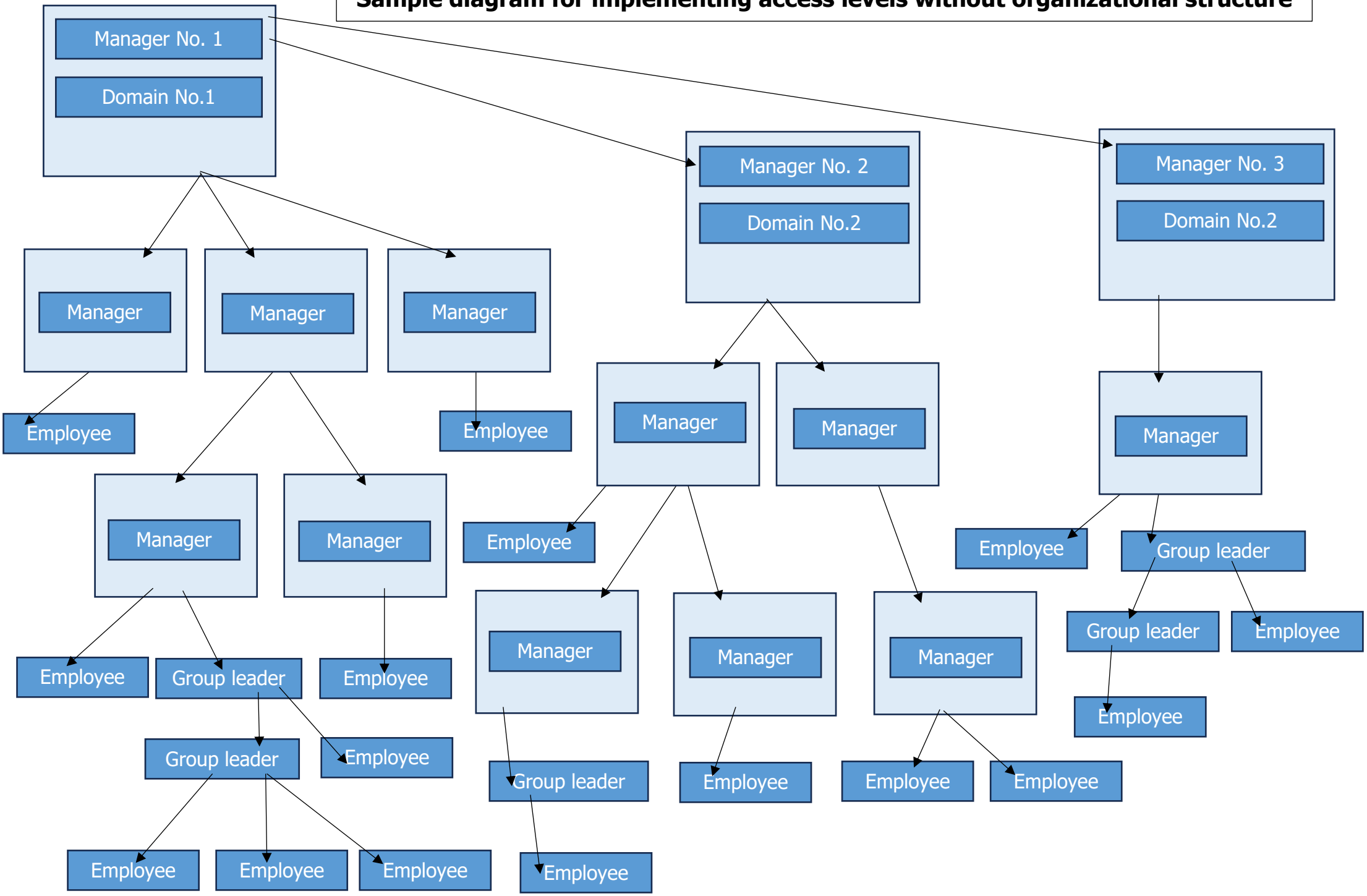
Diagram of the request submission process and final response reception



Sample diagram for implementing access levels and organizational



Sample diagram for implementing access levels without organizational structure



System Core and Internal Projects

The core includes the following internal projects, which are **encrypted and non-editable** upon delivery to the client.

At any stage of development, or even after delivery, modifications or rewrites to core or module components can be implemented by mutual agreement.

Upon client request and agreement, **source code** for agreed-upon components can also be delivered.

Project Title	Main Responsibility
Web.Core و CustomAttributes	**Core System Kernel** The core system is responsible for managing the following capabilities: • Multi-language support and language management • Theme management and system appearance customization • User role and access level control • Data encryption and security policy enforcement • Implementation of hierarchical structure and organizational chart • Displaying data specific to each user and their subgroups, without access to other users' data • Multi-domain and subdomain support without any conflicts between users or data of different domains
Web.Console	The primary web initializer, serving as the host for the system's various modules.
VM	ViewModels (DTOs) used in Web.Modules to handle and operate forms.
Models.Business و Model	The bridge connecting the system core and the user management module is the corresponding database.
Services	This component is responsible for managing specific file types such as XML, JSON, text, and PDF, building menus, and logging all user activities.

APIs.CustomAttributes و APIs.Core	The core encompasses all services related to the modules and fully handles the responsibilities of web.core for the modules' services.
Annotations	This component is responsible for handling form-related errors (data validation) during user input, taking into account whether the system is single-language or multi-language.
ApiCallers.BaseApiCaller	The communication bridge to the services related to the modules
Libraries	All items related to functions, variables, and general definitions are contained in this section.

Important Notes

1. Core components are completely independent from customer-specific modules. If a dependency exists, the related source code will be delivered (subject to source delivery agreement).
2. If any part related to custom modules is developed, its source code will also be delivered according to the agreement.
3. The system is **fully flexible** and free from dependency on any prebuilt framework, allowing languages or themes to be added/removed at any time.
4. Adding new languages or themes will incur an additional cost. By default, the system includes **two languages** (Persian and English) and **five lightweight, bug-free themes**.
5. Older versions (**ASP.NET Core 3, 5, 6, 7**) are available and can be purchased under separate financial terms.
6. Pricing varies based on the number of languages, number of themes, and source code delivery terms. For more information:
    - Email: **webdesigner_ak@yahoo.com**
    - Phone: **+98 920 130 2157**