APRIORIT

DEMO PROJECT

1. Introduction

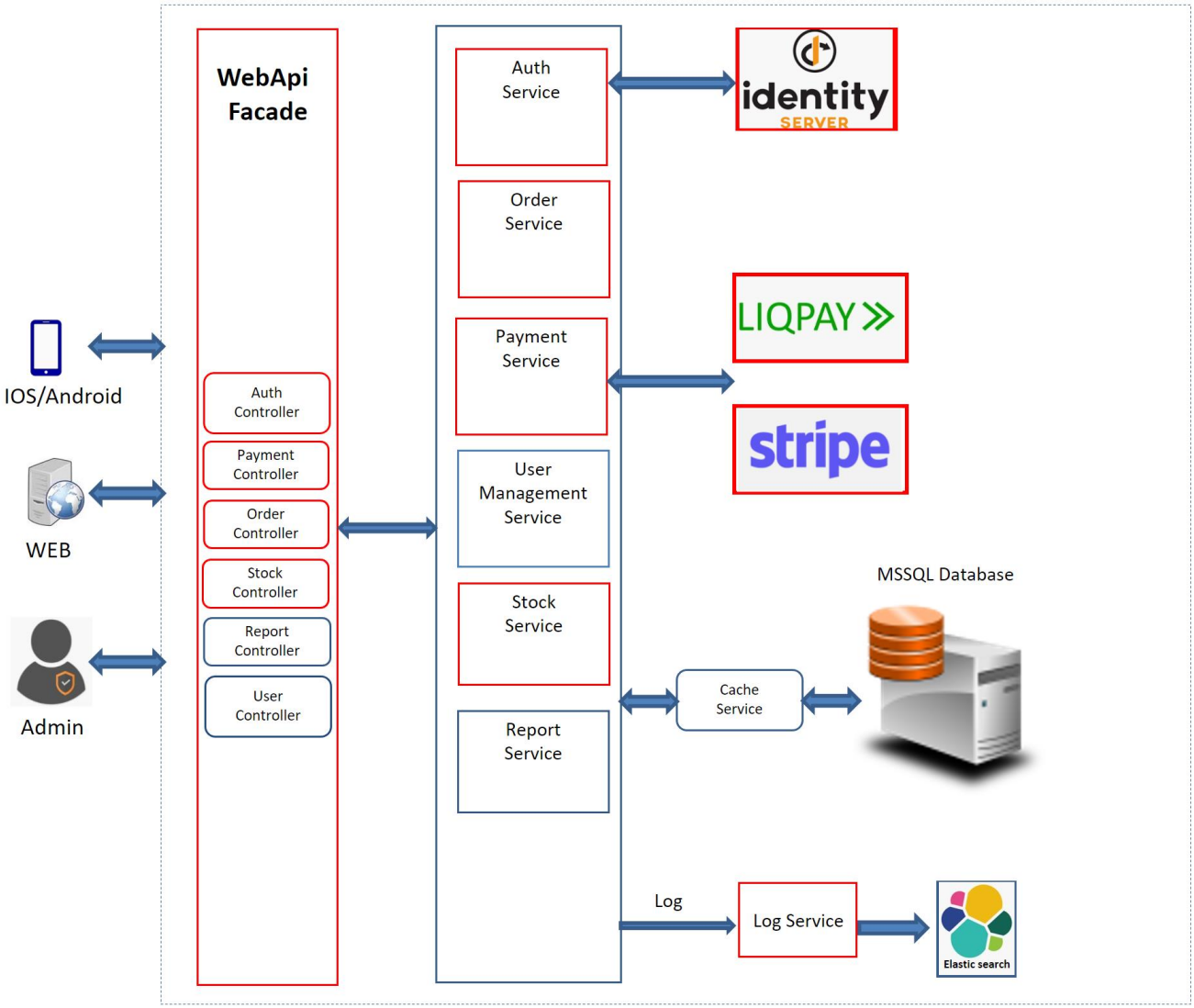
The purpose of the Marketplace software is to enable users to create and manage digital storefronts that host product and services listings from multiple vendors.

2. Main Goals

The purpose of this project is to demonstrate

- Phases of the project implementation
  - Product requirements specification and approval
  - Drafting software architecture
  - Project estimation and planning
  - Test strategy planning
  - Testing environment setup
  - Construction
  - Testing
  - Bug fixing
- Code implementation
  - OOP
  - Web Api
  - Integration (IdentityServer, LinqPay, Stripe)
  - Unit test (xUnit)
  - Logging (Elastic Search)
- Development process
  - Scrum
- Documentation
  - HLD
  - DB structure
  - CMP

3. High Level Design



4. Implementation

As this is a demo project, we decided to implement a core part of functionality that could show the main functionality of the product. It's based on WEB API (not including UI part).

a. Implemented modules

i. Auth Service – service that implements users authentication/authorization. Implemented integration with Identity Server (add/remove/view info/update info/ authentication/authorization users).

ii. Ordering Service – service that collects information about orders (add/remove/reserve products to/from shopping cart, check details/count on Stock)
iii. Payment Service – service that implements payment based on order. Implemented integration with LiqPay and Stripe frameworks(pay/refund).
iv. Stock Service – service that enables display and manage product stock levels and product availability (add/remove/view products on stock).
v. Log Service – service that Implements errors/info logging to Elastic Search (add/view/filtering logs).

b. Not implemented modules
   i. User Management Service
   ii. Report Service

More detailed information you can find in “Marketplace.CMP”

5. Swagger

We use swagger to describe the structure of our APIs.

6. History

Version	Date	Status	Change description	Author/Editor
0.1	25.09.2022	Draft	Initial version	O.Biriukov