

Review
of the scientific supervisor
for the final qualifying work
Zaudi Yassin

Development of a web server for an application
(scooter rental) in Morocco

The work was carried out in the framework of a start-up in the Kingdom of Morocco, where scooter rental service is absent.

As a result of writing the final qualifying work, a lot of activity has been done both to review, analyze and highlight the main shortcomings of existing scooter rental applications in Russia (Yandex, Whoosh, Yurent) and abroad (Lime), and to develop their own application architecture and create a working version of the web server.

The difficulty of the work was that only the interface of such applications is available for public viewing. The codes of all programs are closed. Therefore, Yassin Zaudi had to develop programs implementing the main functions by himself.

The analysis carried out led to the choice of a micro-service architectural style due to its more flexible scaling and improved fault tolerance, as well as high modularity.

The implementation features include asynchronous communication via RabbitMQ, containerization of services, regulation of access to the application based on scopes.

Zaudi Yassin certainly deserves to be awarded a bachelor's degree, and his final qualifying work may be rated excellent.

Scientific supervisor
Doctor of Physical and Mathematical Sciences,
Professor

T.M.Kosovskaya

16.05.2023