


DEVELOPMENT OF WEB SERVICES FOR MANAGING EVENTS IN THE CORPORATE SYSTEM


Took the job for execution
Researcher advisor

Yauheni Matveyenka
Viktar Liauchuk

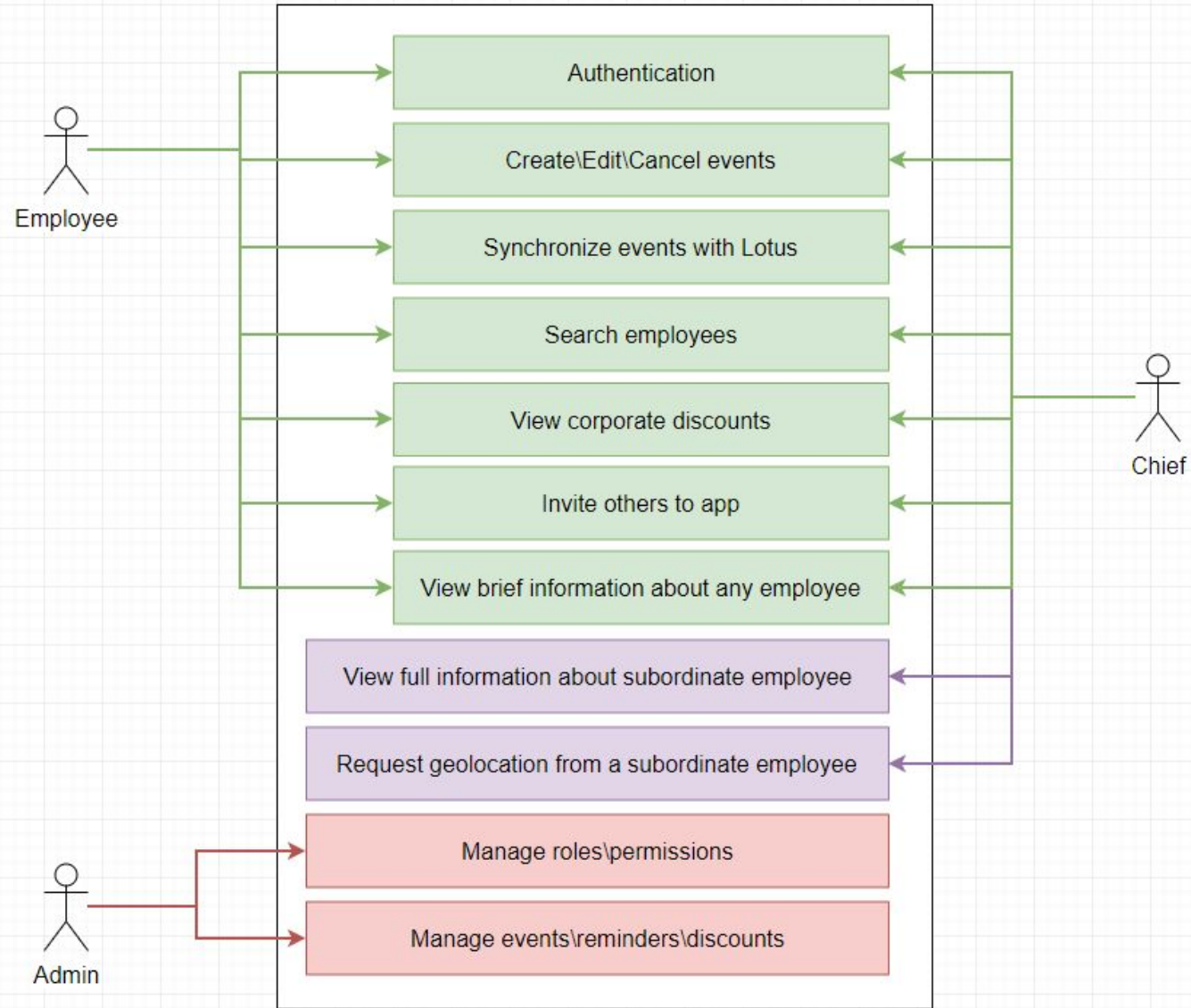
ALTERNATIVE SOLUTIONS

- Lotus Notes:
 - No mobility
 - Performance problem
 - Bulky
 - Facebook Workplace:
 - No corporate data
 - Social network for the company \neq corporate manager
 - Difficult integration with other systems
- 
- A series of three parallel white diagonal lines in the bottom right corner of the slide, extending from the middle of the right edge towards the bottom left.

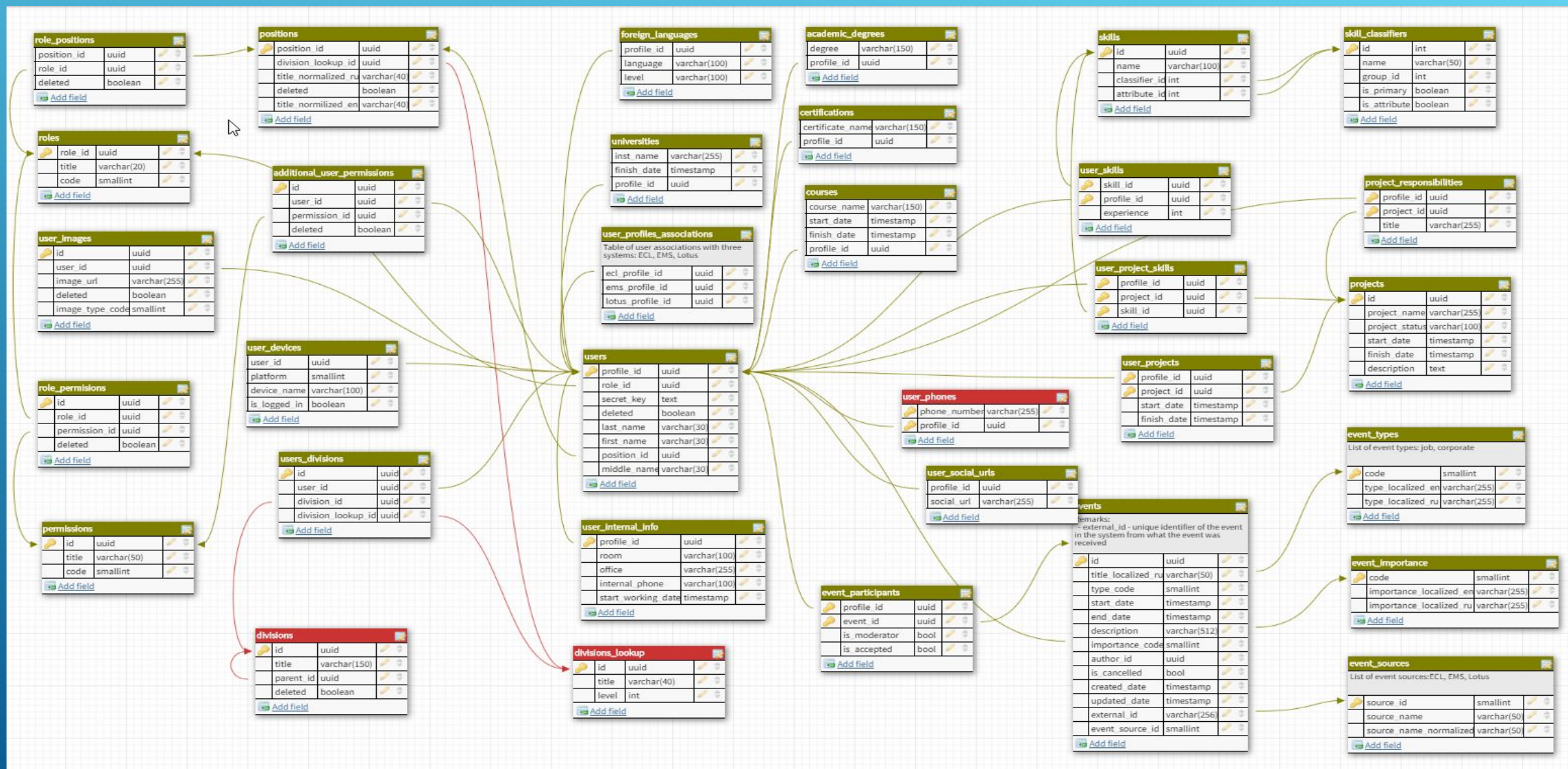
STATEMENT OF THE PROBLEM

- Integration with Lotus Notes
 - Event management:
 - Create, edit, cancel
 - Synchronize events with a Lotus calendar
 - Sync events with the calendar on the device
 - View employee data :
 - Skills
 - Projects
 - Education
 - Contact details
 - Position held
 - Office presence
 - Integration with IBM Sametime (UWP)
 - Search for colleagues :
 - By name
 - By phone number
 - By division
 - By location
 - Advanced search for employees by technology and experience
 - Ability to request geolocation
 - Push- notifications
 - Multilingual
- 
- Three white lines of varying lengths and slopes are positioned in the bottom right corner of the slide, serving as a decorative element.

FUNCTIONALITY



DATA MODEL



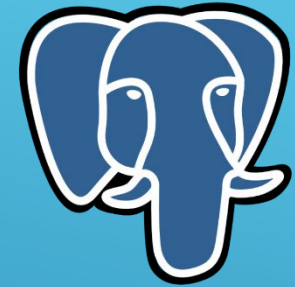
DEVELOPMENT TOOLS



Xamarin



Grafana



PostgreSQL



telegraf



SERVICES



InfluxDB



SWAGGER

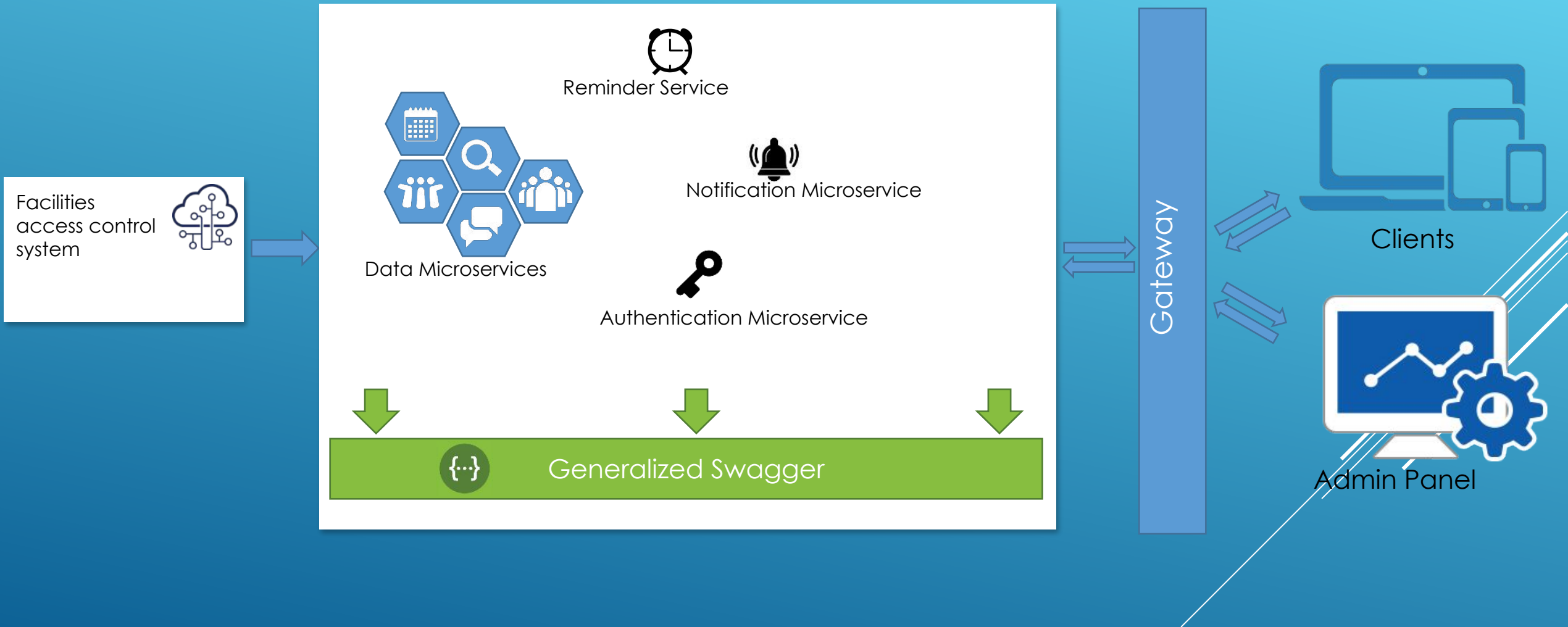


GitLab

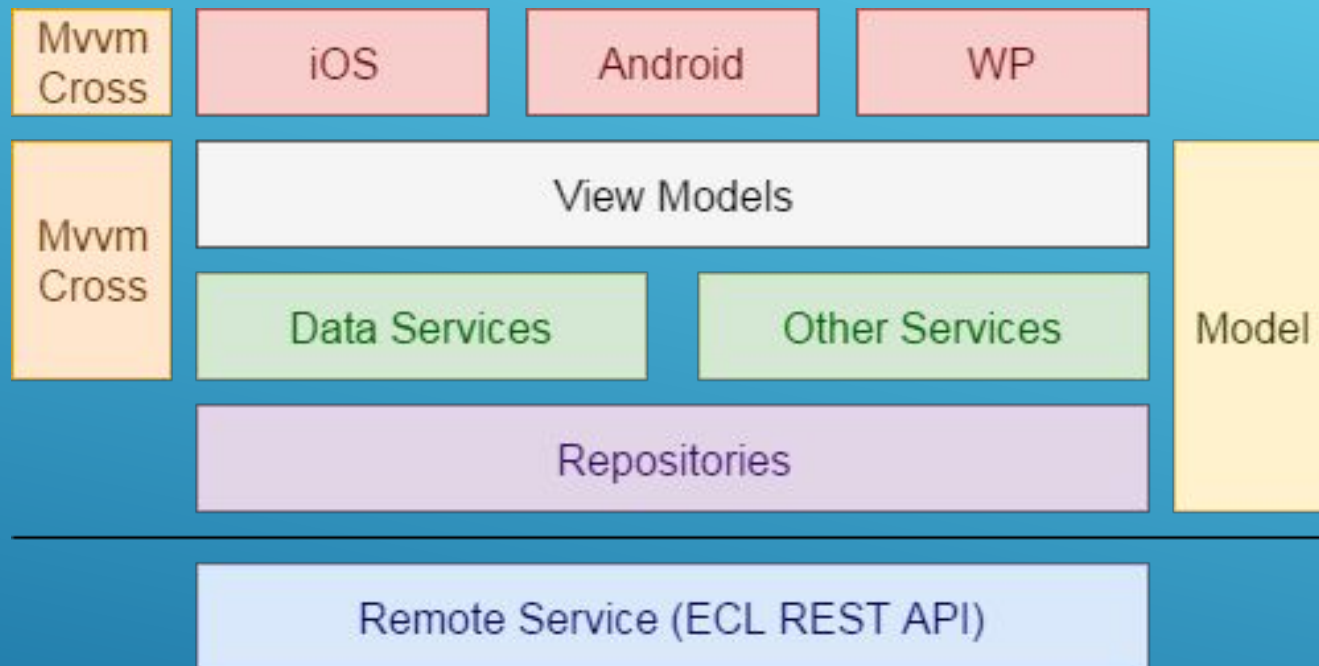


ANGULAR

BACKEND ARCHITECTURE

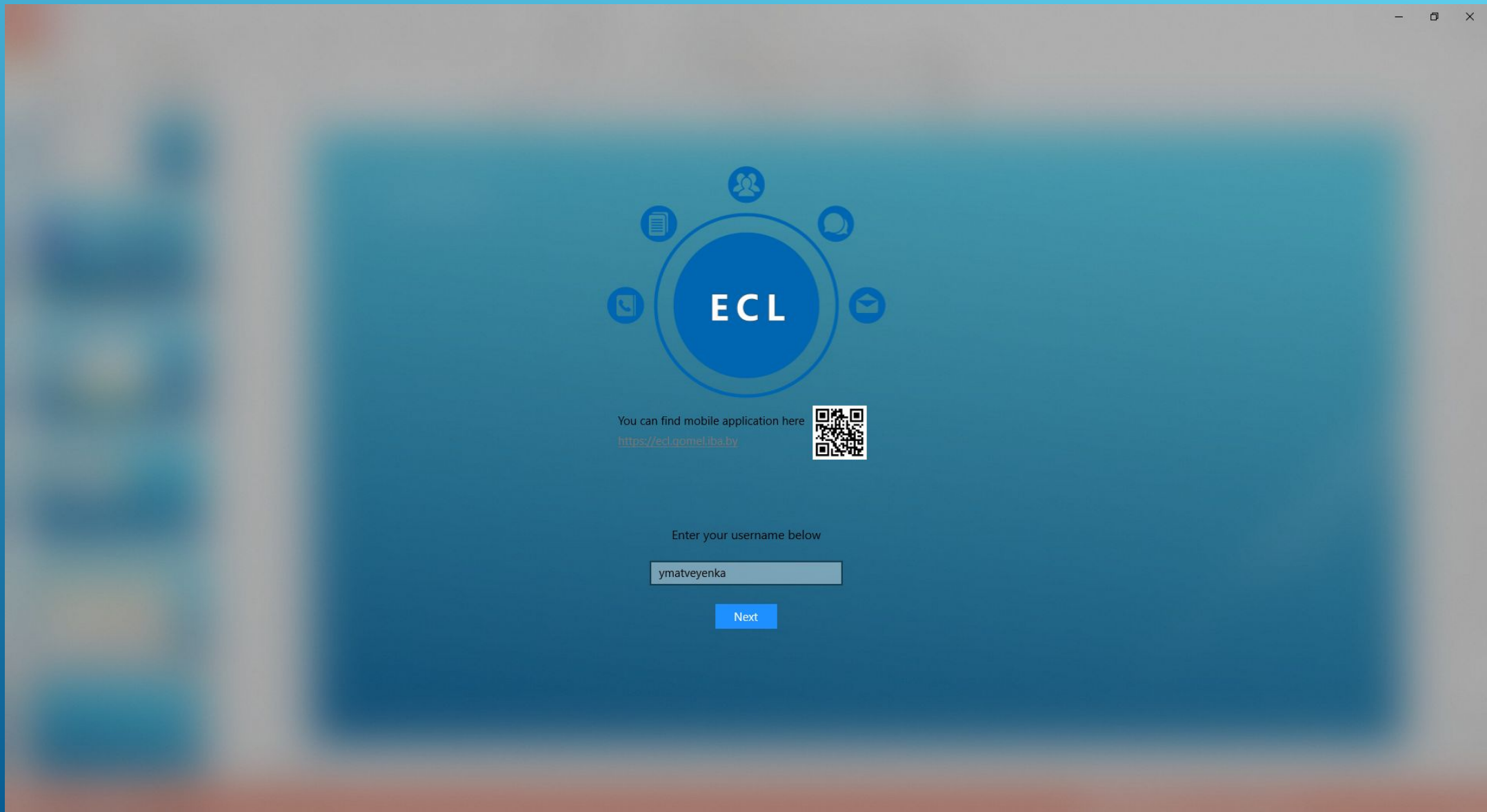


CLIENT ARCHITECTURE



- Data level – Models contracts
- Repositories – Basic operations with data, one repository for one entity
- Services – Data manipulation and organizing business logic
- View Models – Models prepared for presentation
- Presentation – Views

TESTING: LOGIN



TESTING: CREATE EVENT

Employee Corporate Life

Events

Search

Discounts

Settings

Yauheni Matveyenka

Events

Job Corporate Archive

09.05.2019

9 мая 2019 года - выходной день

Accepted

9 May 2019 00:00 - 10 May 2019 00:00

08.05.2019

8 мая 2019 года - выходной день

Accepted

8 May 2019 00:00 - 9 May 2019 00:00

07.05.2019

7 мая 2019 года - выходной день

Accepted

7 May 2019 00:00 - 8 May 2019 00:00

06.05.2019

6 мая 2019 года - выходной день

Accepted

6 May 2019 00:00 - 7 May 2019 00:00

02.05.2019

Печати в дневник

Accepted

2 May 2019 10:00 - 2 May 2019 18:00

01.05.2019

1 мая 2019 года - выходной день

Accepted

1 May 2019 00:00 - 2 May 2019 00:00

25.03.2019

! ECL altogether 230

Accepted

25 Mar 2019 14:00 - 25 Mar 2019 14:30

! Митингъ

Accepted

25 Mar 2019 16:10 - 25 Mar 2019 16:30

22.03.2019

Семинар: Microsoft To-Do: React & Redux practices. Alex Migutski / Актуальные практики разработки SPA-приложений с использованием React & Redux. Алекс Мигутский

Accepted

22 Mar 2019 10:00 - 22 Mar 2019 12:00

test \notifications

Accepted

22 Mar 2019 12:30 - 22 Mar 2019 13:30

Add event

Title

Поездка в Силици

Description

Start date

3/2/2019 6 30

End date

3/2/2019 18 00

Type

Corporate

Importance

High

Repeat

Off

Reminder for all participants

On

1 h.

TESTING: CREATE EVENT

[illegible]

TESTING: SEARCH EMPLOYEES

Employee Corporate Life

Events

Search

Discounts

Settings


Yauheni Matveyenka

Search


320


→ ↻ ⌵ ↺ ⋮

Employees' room is '...320...'





Matveyenka Yauheni Gomel, Fedyuninskogo st. 19, 18th building/320







Employees' phone number is '...320...'










Profile



Yauheni Matveyenka

Software Engineer

Open Sametime

In Office

Contact Information

Internal Phone :

Personal Phone :

Location :

Division

Education

Skills

Projects

Chief

Position

Software Engineer

Sector

Sector #4

Department

Information Systems Integration department

Division

2nd Software Development & Support Division

Sphere

Production

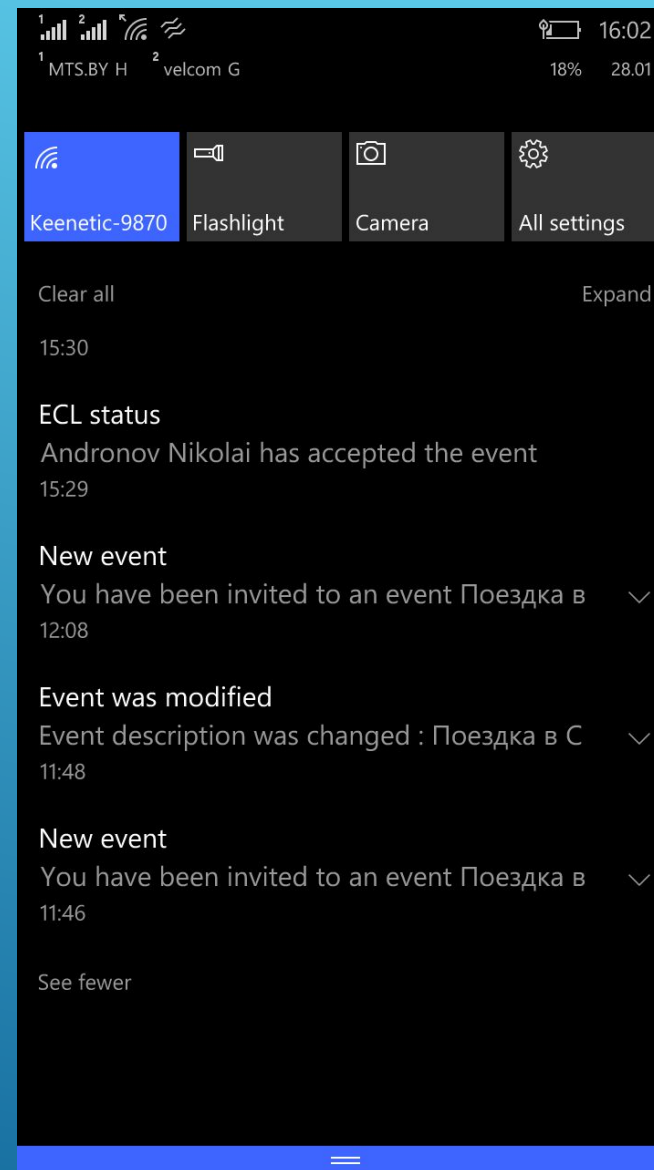
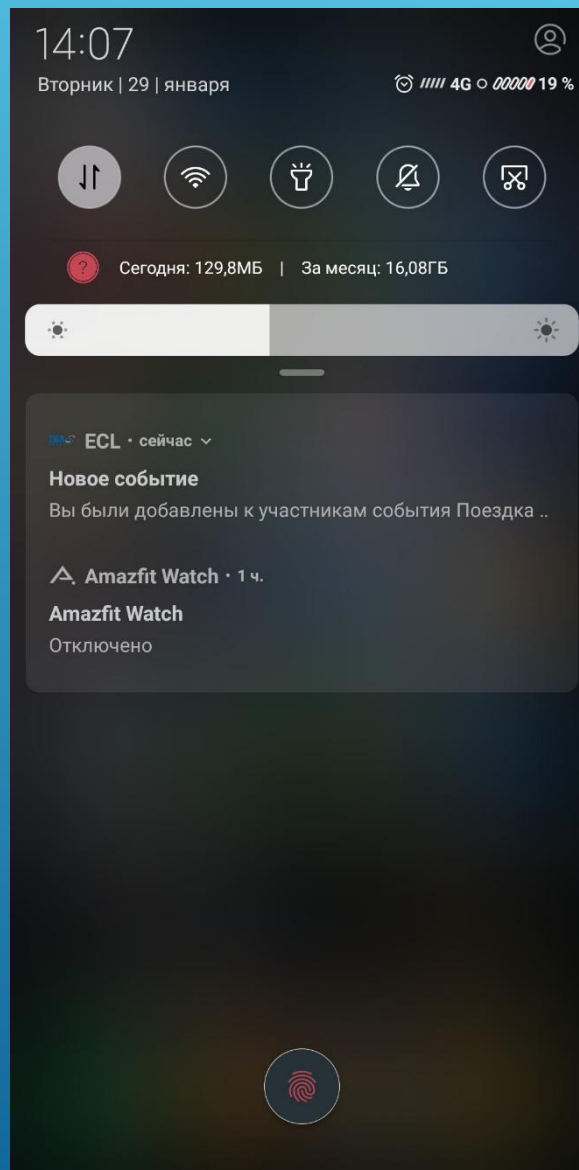
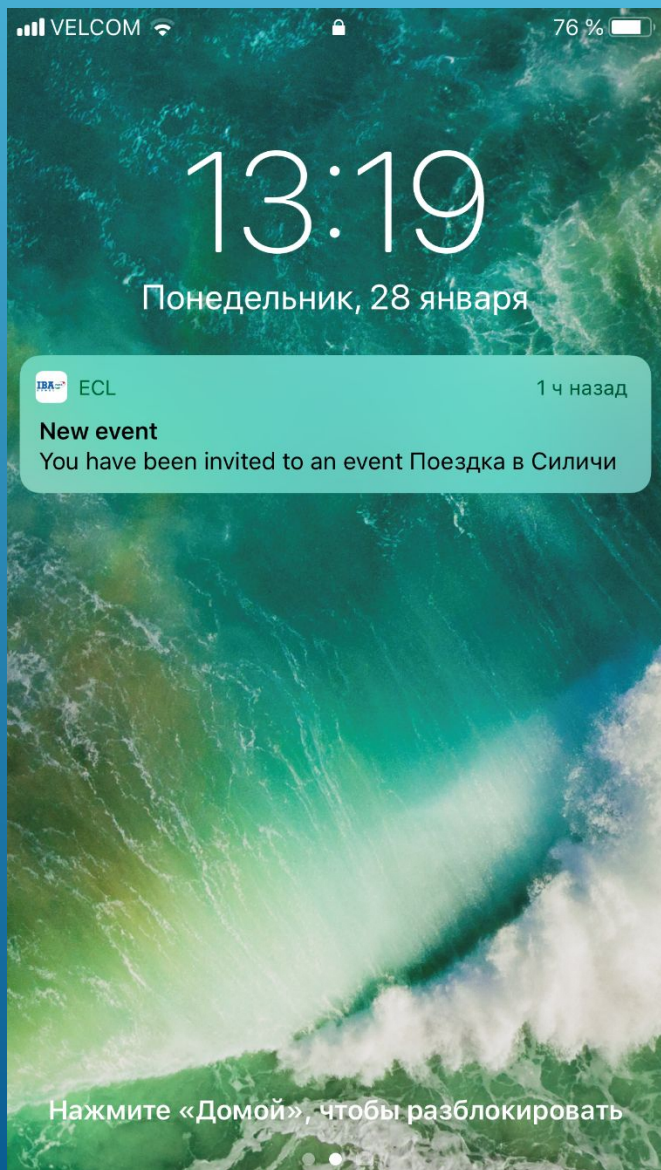
Company

IBA Gomel

Employment Date

9 Oct 2018

TESTING: NOTIFICATIONS

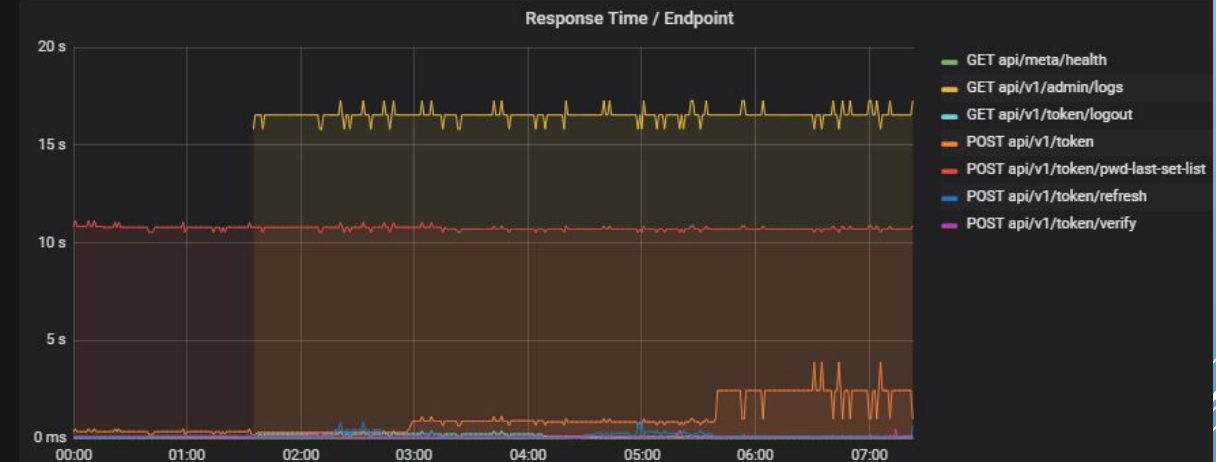
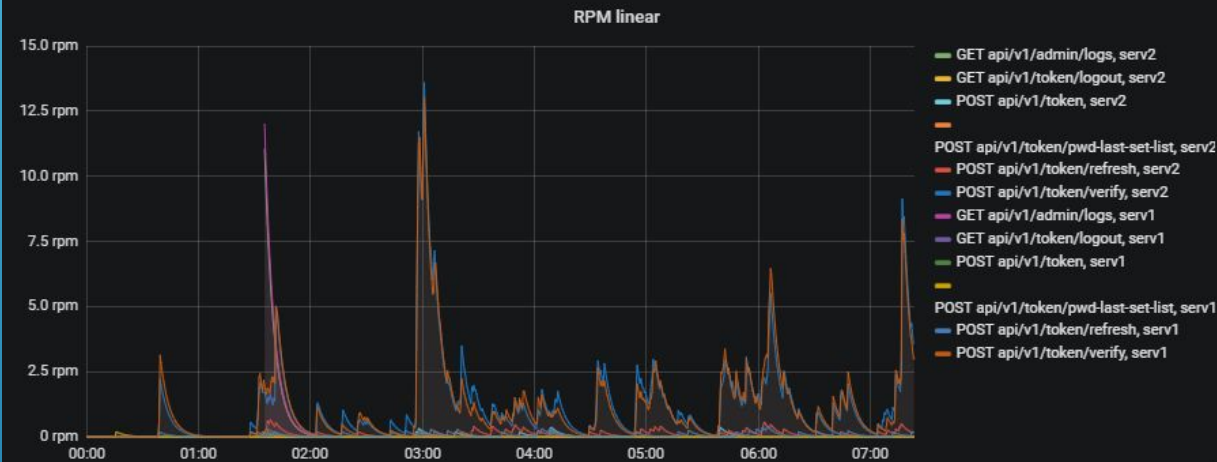


PERFORMANCE



PERFORMANCE

Endpoints



AMOUNT OF WORK

- 17 microservices
 - 400+ unit tests
 - 300+ endpoints
 - 30+ database tables
 - 4 supported platforms + web
 - 500+ users
- 
- A series of several parallel white lines of varying lengths, slanted diagonally upwards from left to right, located in the bottom right corner of the slide.

RESULTS OF THE DIPLOMA PROJECT

- Publications at the scientific conference “Actual problems of physics and techniques” and “New mathematical methods and computer technologies in design, production and research”.
- The certificate of implementation.

