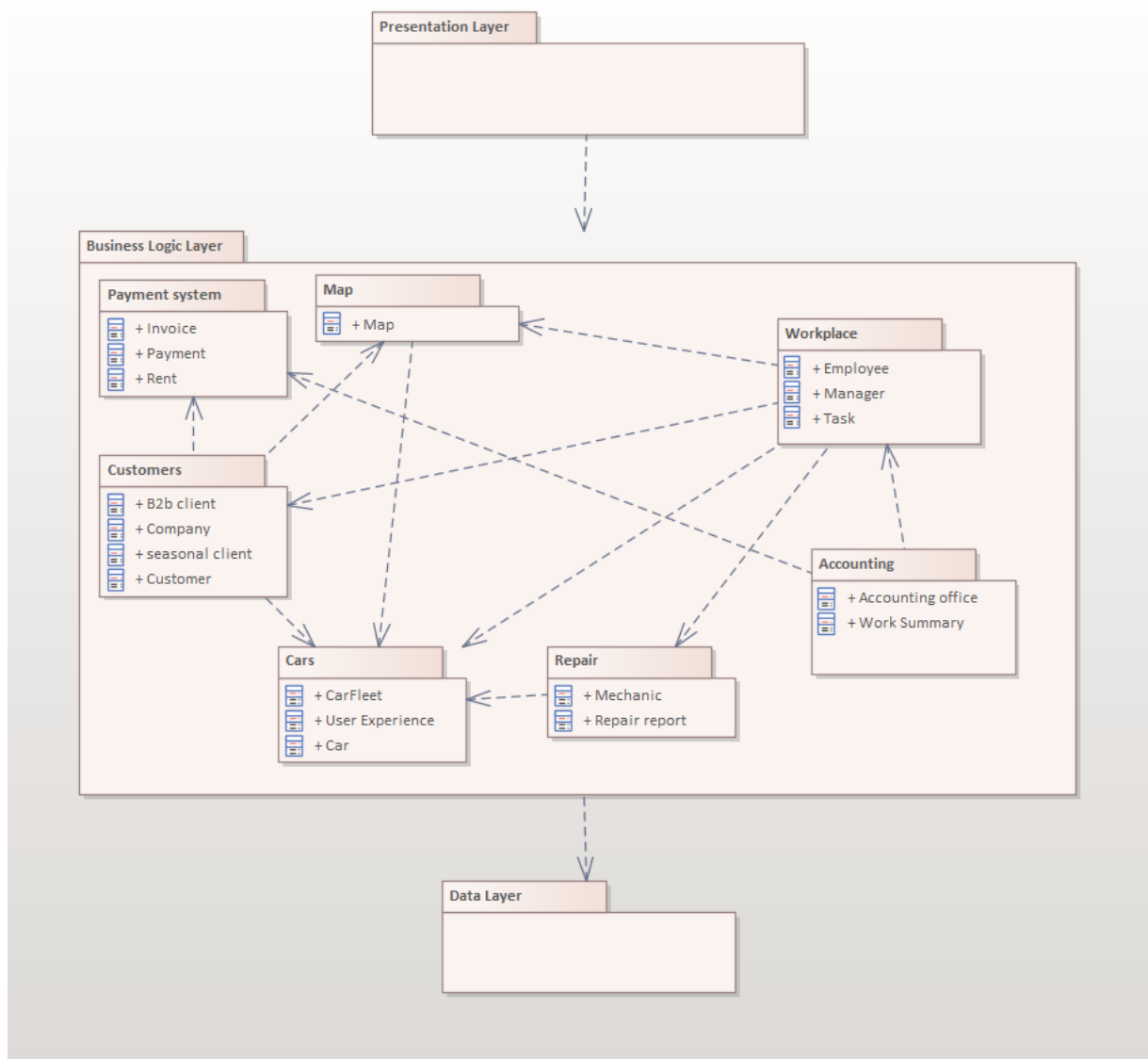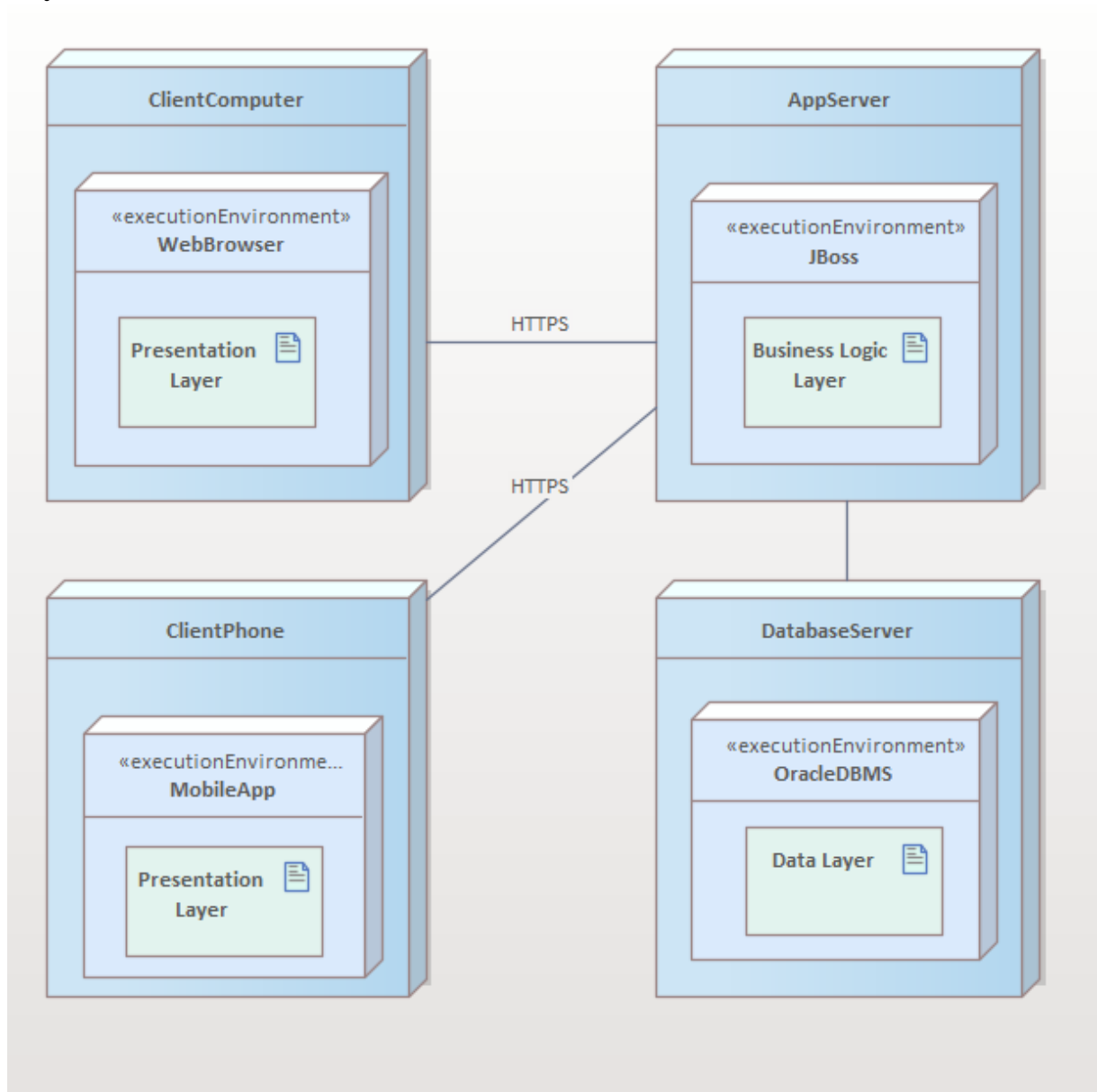| Selected Design Issues |
| --- |
| Topic: ConviRent |
| Authors: Jakub Przestrzelski, Igor Szemela |

1. System logical architecture
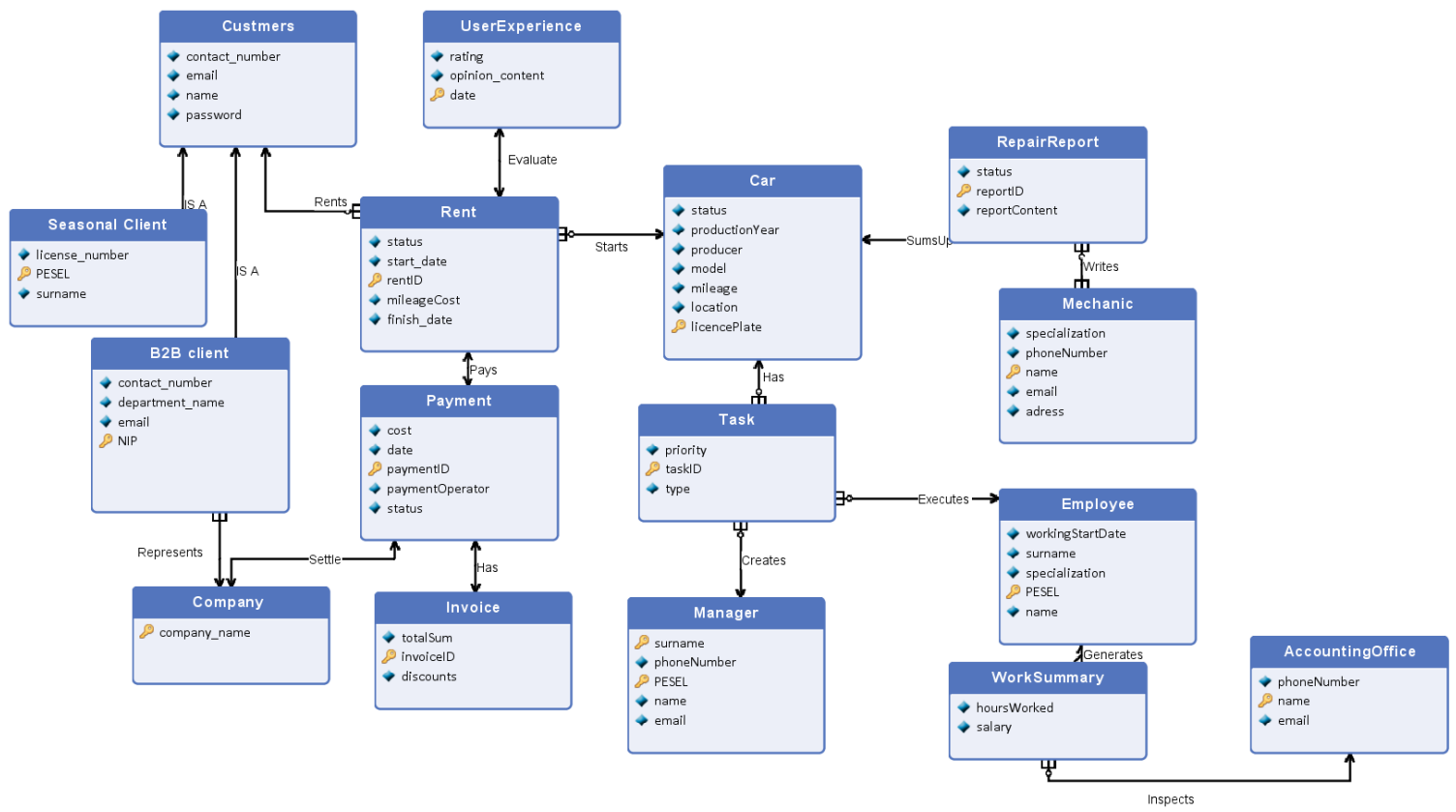

2. Selection of technologies

- programming language(html, css, JS) - JavaScript ecosystem possesses numerous libraries that cover all the needs of modern server-side applications
- development environment(NetBeans) - Netbeans provides great environment (numerous debug and track features) for JavaScript related libraries
- components(JSON, JBoss, OracleDBMS) - JSON is very popular and reliable these days to store data, Oracle has great documentation for their products

- libraries(Node.js), because it is designed for traditional web sites and was designed with real-time, push-based architectures in mind.
- frameworks(React), because it is used to develop and operate the dynamic User Interface of the web pages with high incoming traffic.
- Description of runtime environment(Android, iOS, Windows, MacOS, linux), majority of our clients will use mobile devices to interact with our services, but we also provide desktop versions of our software.

3. Physical architecture

4. Database design

5. User interface design

1

ConviRent

Log in

E–Mail

Password

Login automatically

Forgot password

2

Your rents

Date: 15.01.2022

Milage: 1,5km

Cost: 19pln

Date: 13.12.2021

Milage: 2,53km

Cost: 35pln

3

ConviRent

Map

Your Rents

Contact Support

Log Out

4

ConviRent

5

Volkswagen Golf

Location:
Politechniczna 3, 80–238 Gdańsk
fuel range: 450km
cost:
1,5pln start
0,8 pln/km
0,1 pln/min closed car

Reserve

6

Your reservation

Volkswagen Golf

Your Location:
Słowackiego 140, 80-298 Gdańsk

Fuel range: 420 km
Kilometers done: 15 km
Your total cost: 23 pln

Car status: OPENED

Open car   Close car

Finish and pay