**Enterprise Integration (MEIC-A, 2019-20, 2º semestre)**

Instituto Superior Técnico – MEIC-A

*Sprint 2 Report*

1. **Definition of the microservices needed for the MaaS functionality**

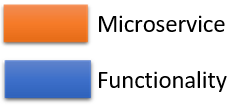


Fig. 1 – Microservices and functionalities

1. **Chosen microservices**

Customer Management and Operator management

1. **Microservices input and output**

Customer Management Service:

* Register a customer

{

    "eventType": "new-user",

    "user": {

        "id": "69c594cfdeeaedd220",

        "email": "user@gmail.com",

        "firstName": "Paulo",

        "lastName": "Neves",

        "balance": "500",

        "hasPass": "true"

    }

}

<root>

  <eventType>new-user</eventType>

  <user>

    <id>69c594cfdeeaedd220</id>

    <email>user@gmail.com</email>

    <firstName>Paulo</firstName>

    <lastName>Neves</lastName>

    <balance>500</balance>

    <hasPass>true</hasPass>

  </user>

</root>

1. **Functional integration of the two microservices with the previous Kafka topics**
2. **Functional integration of the two microservices with the previous Kafka topics**
3. **Implementation of the two microservices**
4. **Functional testing**