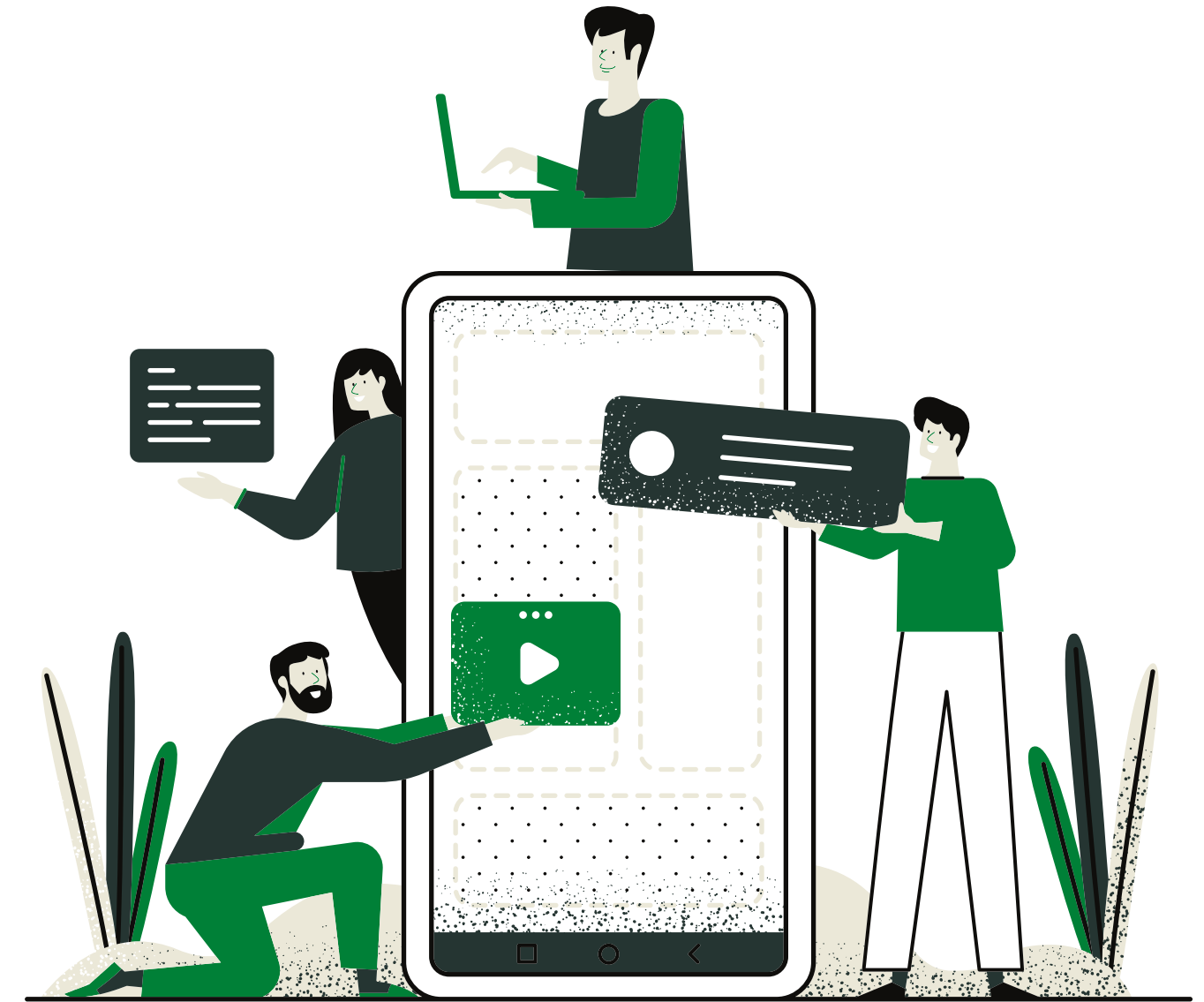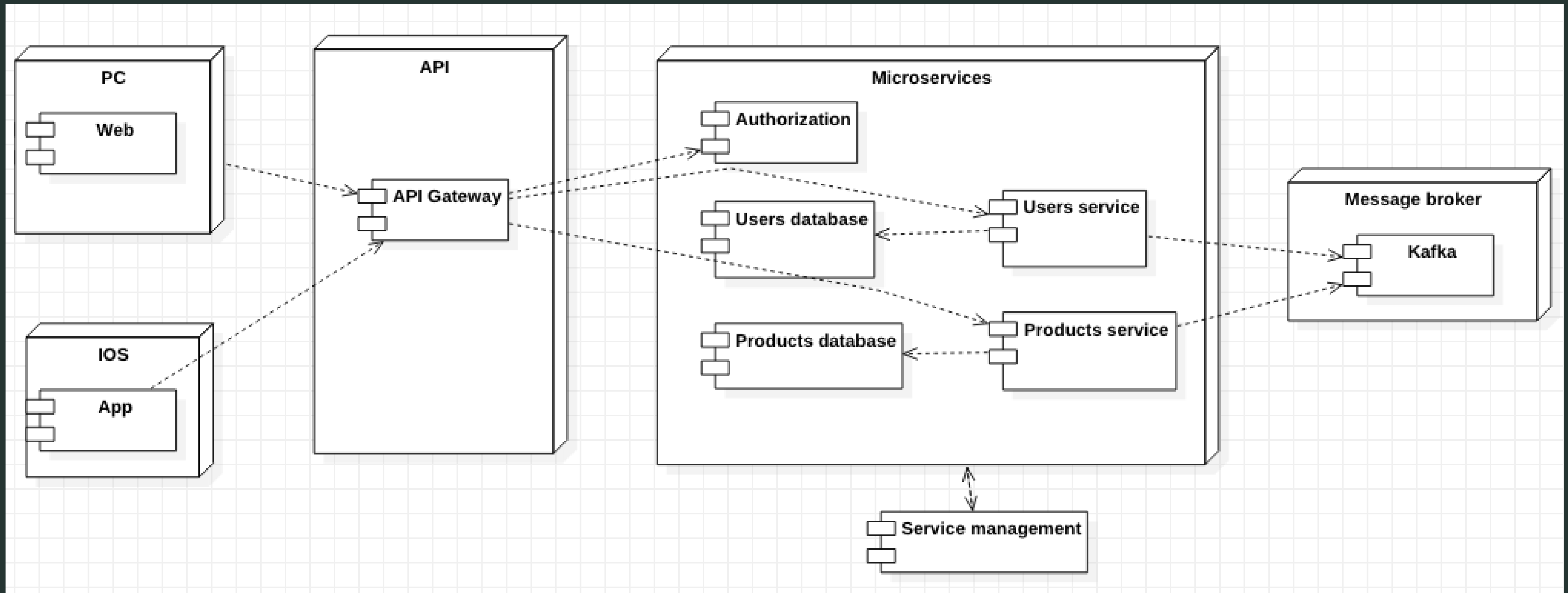Shamoi Elvina

PRODUCT SERVICE

PROJECT INTRODUCTION

First of all, I would like to introduce my project. So, I'm developing an online shop for healthy grocery products. It would be perfect to develop an IOS app for this project because I'm an IOS developer. An as my project become bigger and bigger it would be necessary to store this amount of data somewhere and add microservice architecture to the project.

DEPLOYMENT DIAGRAM

CLIENT AND API GATEWAY

Client

In my project, there're 2 clients: web and mobile, both of them could send HTTP requests.

API gateway

API gateway is a bridge between a client and services. The benefits of API gateway are that it provides optimal API for each client, provides the number of requests, isolates clients from servies.

MICROSERVICES

I added:

- Authorization:

it will be responsible for login, registration, and everything about it.

- Users:

It will be responsible for updating, deleting and adding some data related to the user, and it has its own database.

- Products

Responsible for every operations related to products, also has its own database.

KAFKA

Users and Products microservices will interact with the Kafka message broker in order to increase the speed of returning the data. It is also responsible for routing messages.