

# VIEBEG

A Medication Inventory Platform

Development service

Medication accounting and purchasing platform

Business niche

MedTech

Time spent on the project

1100 hours

Technologies we used

React JS, Django, Testing, REST API

## CHALLENGE

**Due to the pandemic, investing in medicine has become even more relevant.**

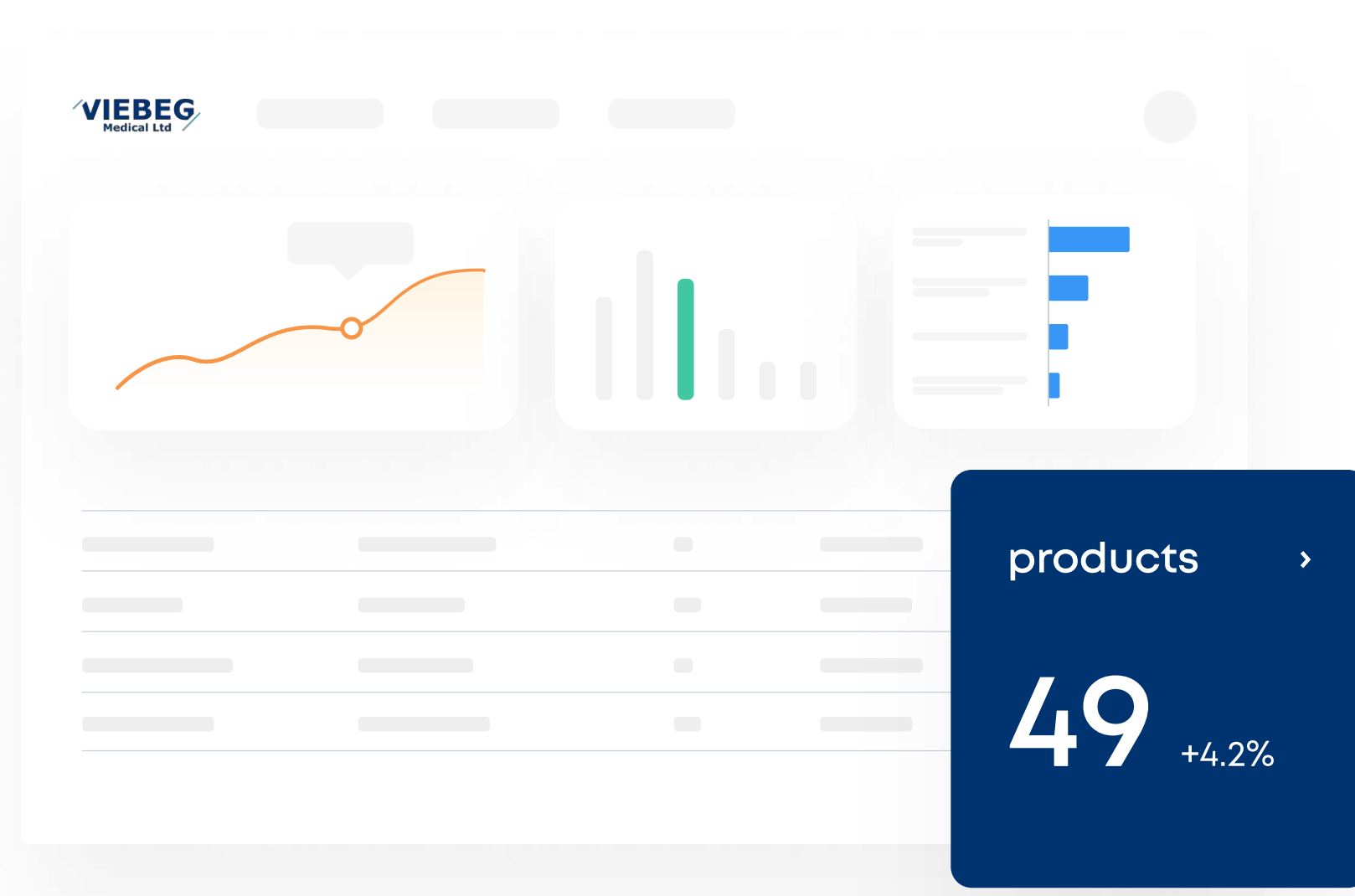
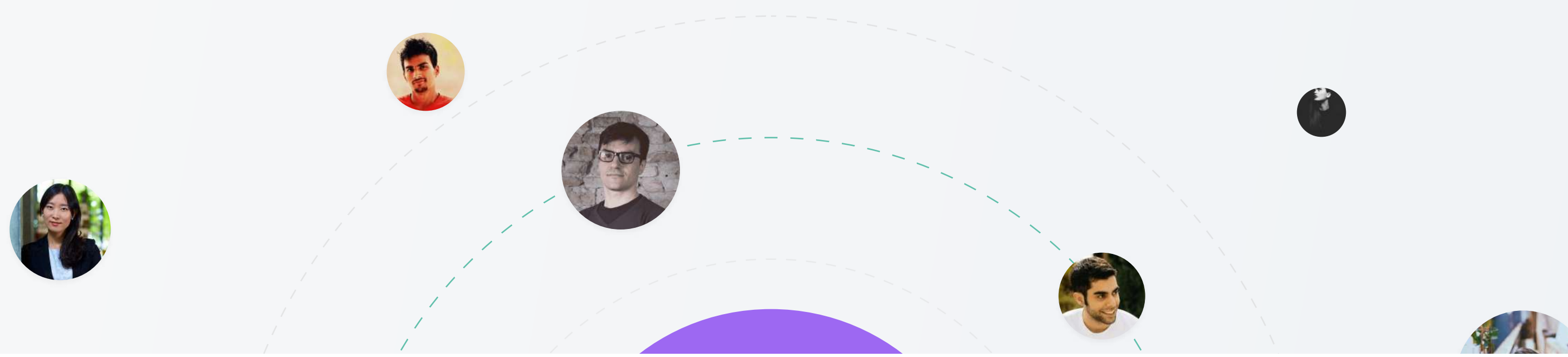
New tasks and needs have emerged: to organize remote monitoring of patients, to get a "second opinion" from a doctor, to develop medicines, and to increase the efficiency of medical institutions.

Special attention should be paid to products for centralized accounting and purchase of medicines. They allow medical centers to automate processes that previously required the participation of live staff and were often subject to human factors. We just got the task to create such an automation software product.



## Client/Target audience

The target audience of the product is medical centers, as well as suppliers of medical equipment and drugs. The particular product is designed for the African region (Congo, Rwanda, Burundi).



## Product overview

Having analyzed in detail the needs of the customer, we have identified two user model.

Customer model makes it possible to keep records of medical goods that are in the clinic. It also provides the ability to manage stocks. An important part will be a dashboard that displays all statistics on purchases and consumption.

The supplier model is designed for suppliers of drugs and medical equipment. Here they receive requests from medical centers through the service.

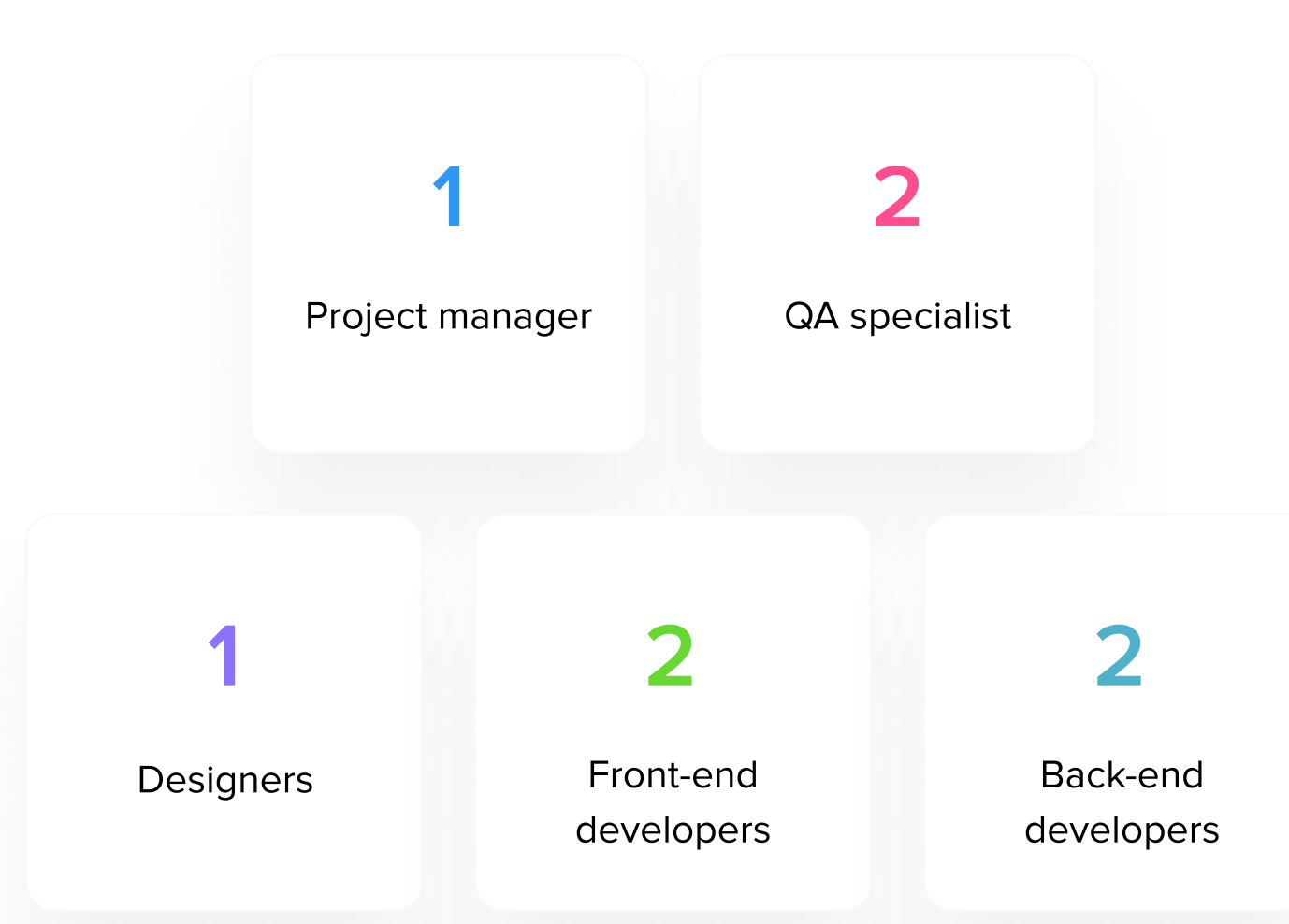
## Our approach

As part of the application, we needed to develop two role models - the Customer model and the Supplier model. To complete this task and other small tasks, we used the following tools:

- React JS**: This is a JS library for creating user interfaces, we used it for frontend development.
- Django**: This is a Python-based framework for developing web applications with which we created the backend.
- REST API**: This is an architectural style for an application that uses HTTP requests to access and use data.
- Testing**: We paid special attention to testing the usability of the solution so that its interface has a minimal learning curve.

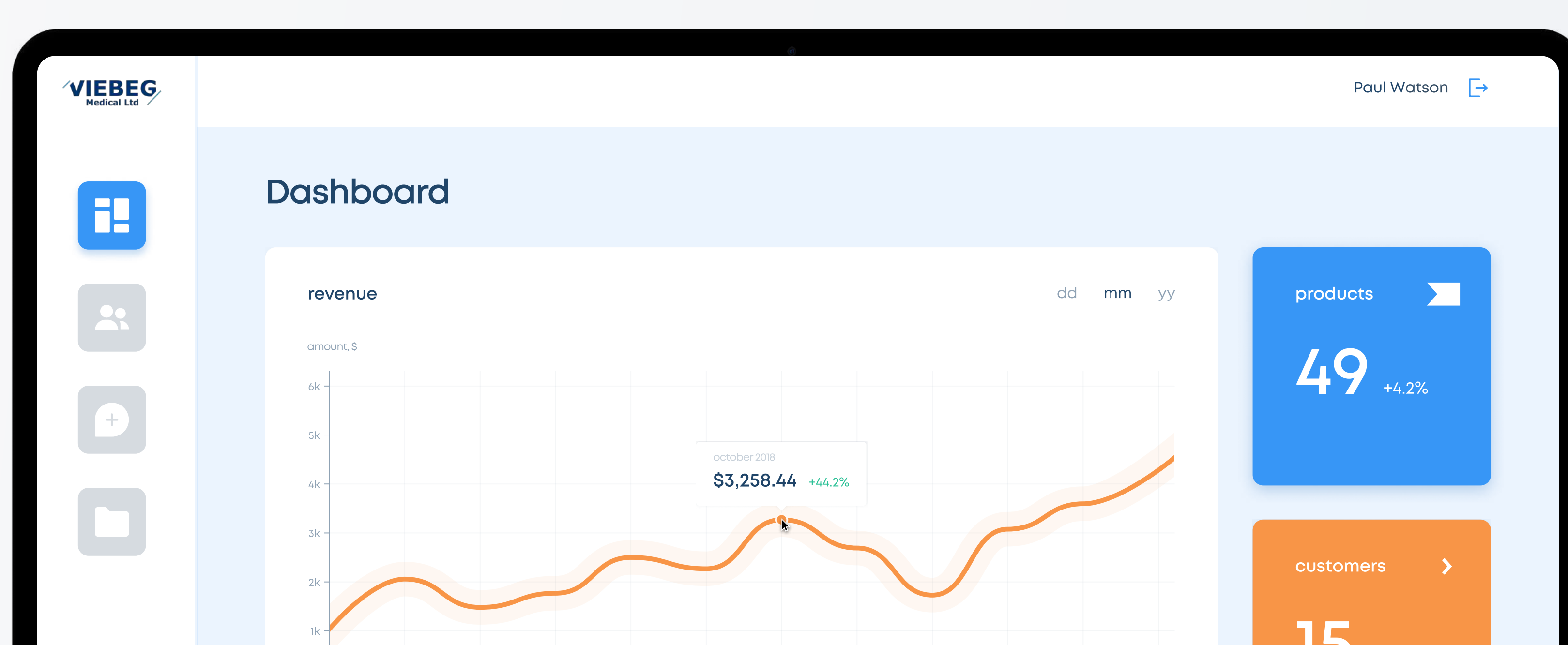
## Our development team

Our development team consisted of 8 specialists. Despite the small team, we managed to implement the project within established deadlines.



## Solution overview

As a result, we've created a centralized drug inventory and purchasing platform for healthcare centers. With this solution, clinics can keep track of medicines and carry out planned purchases of goods. The application implements two models of behavior: a clinic (customer) and a supplier.

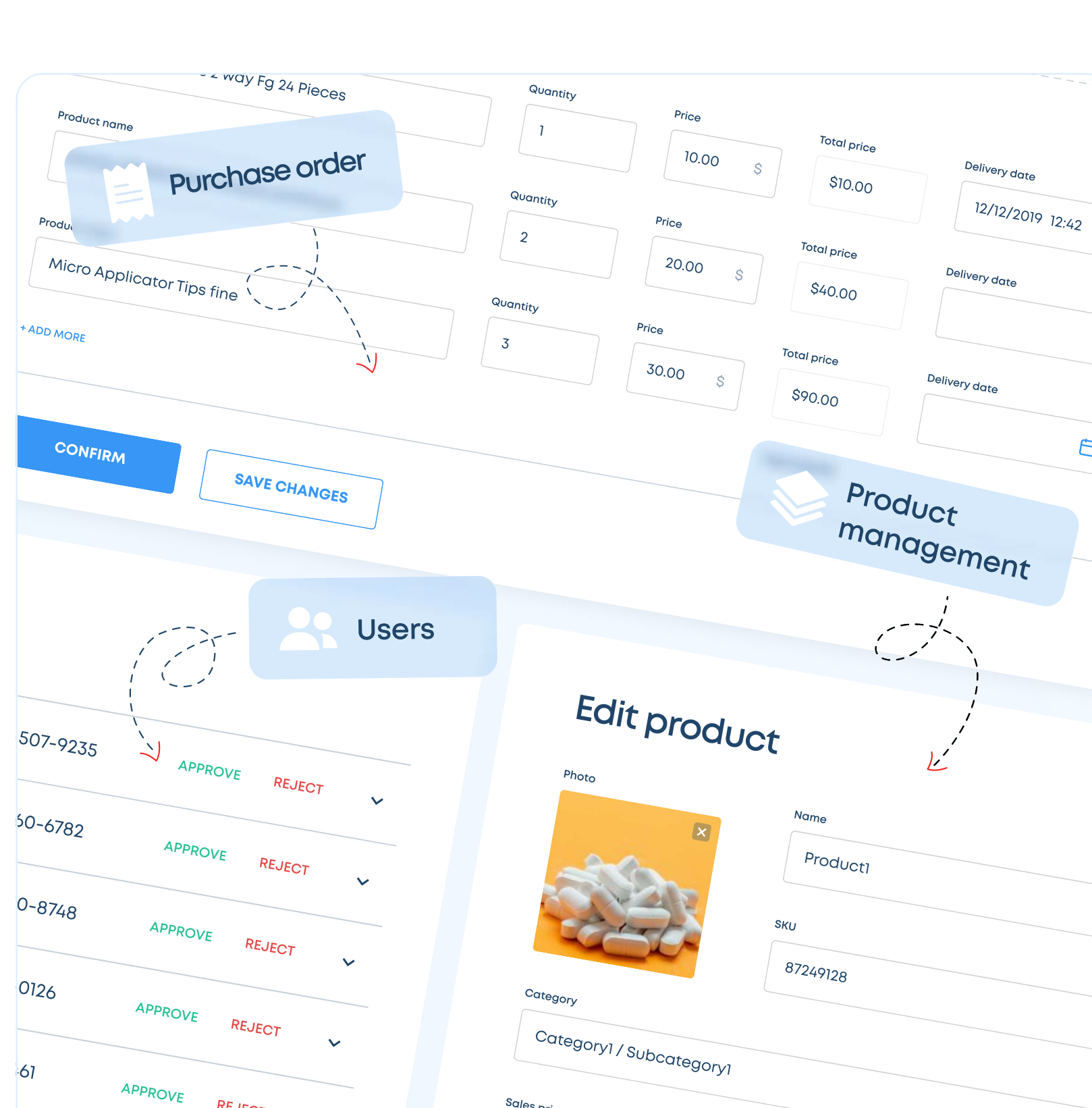
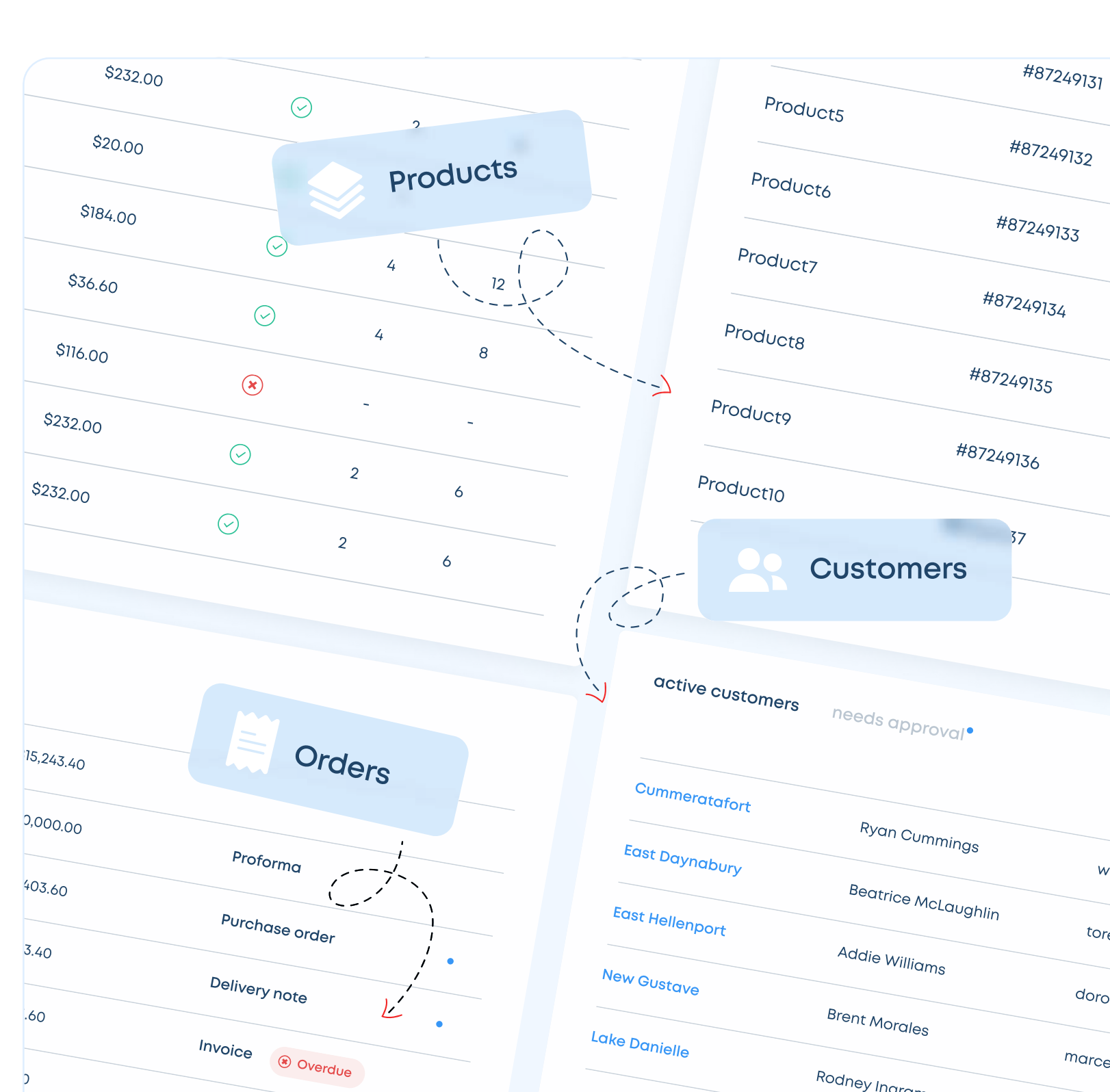


We analyzed similar solutions that are already on the market in order to collect really useful statistics on the user's dashboard, that can be viewed both by time intervals and by product categories

PM at Owlabb Ivan Selivanov

### Features for clinic (customer) clients:

- It is possible to monitor the number of items in stock and their quantitative status (enough, a few items left, and running out);
- The staff of the medical center can order new goods and equipment here - the app database contains over 5000 items;
- The solution also provides functionality for adding your own product names. We have created the function of adding other users to manage inventory and delegate their responsibility;
- We created a panel for managing orders: tracking the status of an order and delivery, generating invoices, and the like.



### Features for supplier (who is also an administrator):

- The ability to receive requests from medical centers through the service;
- The application is equipped with features for managing users in the system, allowing users to view personal information, provide and restrict access to the system, etc.;
- As for the accounting of medicines and medical equipment, in the application users can edit the quantity of goods, set the selling price, edit the description, and add new goods to the system;
- A user with administrator rights can manage orders: manage statuses, set delivery dates, markups, etc. Users can also create a purchase order here themselves.



Thanks for watching!

Talk to us and get your project start

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