# Obraz zawierający osoba, podłoże, zewnętrzne Opis wygenerowany automatycznie

# To grow carrots in Development team

Every time visitors (employee from other sites) comes to Warsaw office they are guided through open space to better get to know coworkers. Once, one of my colleague from different department had a guest. Of course standard round was made and when she stopped ahead of development teams, she introduced us and in the moment asked question:

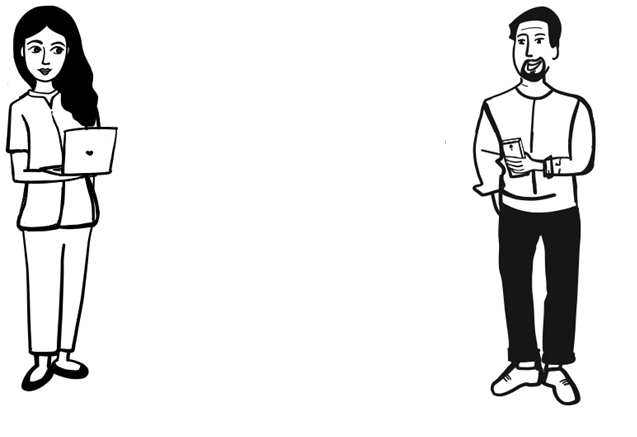
- And those are developers. So Pawel what are you actually do?

As we know each other for some time the question shocked me so much that I cannot imagine she doesn’t know anything which she could tell to the visitor. I answered :

* Most of the time we grow carrots.

## So what developers generally do?

Let’s take one some example which will help us to understood developers work. Lets imagine we are team responsible for creating payments module in the internet banking website. From the user perspective performing transfer is simple operation. Users fills required data and after clicking **Send** button, magic created by developers happens in the background.



Magic

To understood what developers do, we need to split our graph into a little bit more technical one.

To make a transfer our cartoon girl opens the Internet banking site and make transfer in colorful interface. When she click sent, information about her wish is transferred through Server to Core system.

Core system sends information about all transfers which was made during a day to other bank with the file. On the other side in another bank the situation is the same.

In presented model we can distinguish at least 3 competence-different teams:

1. Internet banking team
2. Core team
3. Mobile team

Let’s focus on the Internet banking team.

# Monthly routine

Every couple months to the development team specification of new functionality is send. Let’s assume that business would like to have search on the transfer page. The people responsible for transfer page, meet with IT representative and they start describing the functionality. At the beginning it look as very simple task, just simple text field which will autocomplete the recipient of the transfer.

Of course nothing is easy. During the analysis we are asking questions like:

* Does the search should look at the history or only in the address book?
* How many items in autocomplete box should be shown?
* Do we accept the mouse or enter click?
* What set of data will we show in the autocomplete?
* Should we show additional data if we have more than one recipient with the same name (our friend has two accounts)?
* How autocomplete should look like?
* And others…

After all those questions will be answered and visualization of the screens will be prepared, “developers” can starts working. It means that development team takes functional specification, prepared graphics and split all feature into small tasks which can be distributed across team members.

Developers is very general term. Usually development teams consist of:

* Frontend developers – responsible for the finally webpage view
* Backend developers – responsible for the application sever side
* Testers – responsible for checking if everything is working correctly
* Analysts – responsible for checking if functionality meet business expectations

## Frontend developers

This group is responsible for the visible part of the application so for the icons, colors, nice behavior of the components, pop ups. They also need to integrate with the services which are exposed by backend developers.

## Backend developers

They are responsible for exposing services. Service is a small functionality which is created to perform particular task. For example in our case we could have service which will return list of contacts saved ??in recipient list in the Internet banking

## Testers

Everything which will be created by Frontend and Backend developers need to be checked. Testers or Quality Assurance people checks the solution before sharing with the users. They are trying to break the new functionality simulating different users behavior.

## Analysts

This is supportive role which should find an answer for the topics which are not precise describe in the documentation. They also prepare documentation which describes solution.??

# The process

Delivery of the functionality can take couple days or even couple months. Development team during this time make repeatable interactions. Backend expose services which frontend uses and testers validate.

The process continues until all task in given functionality will be finished and feature can be shared with the users.? Timetable

Brak błędów finish

Zakóńczenie, czym są marchwki?I kto jest królikiem a kto rolnikiem?