MODEL OF THE SECONDARY ADMISSION OF A PATIENT

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This business process model shows the secondary admission of a patient by a therapist. The first stage in the presented business process model is to inform the patient that he has passed all the necessary doctors. Using the information system, the therapist receives information from the database about the percentage of completion of medical examination by the patient. After that, there are two ways to develop the business process:

1. If the patient has passed a sufficient number of necessary medical measures.
2. If the patient has not passed a sufficient number of necessary medical measures;

If the patient has not passed enough medical measures, then he is sent to undergo what he did not pass. If he has passed enough medical measures, the therapist sends a request to the database to receive the results of their passage by the patient. Next, the doctor analyzes the records, determines the patient's health group, after which, again, there are two ways to develop business processes:

1. Additional examination is required;
2. Additional examination is not required;

If an additional examination is required by the patient, the therapist again forms a plan for visiting doctors, enters it into the database and sends it to print, after passing the plan to the patient. This completes the business processes.

If an additional examination is not required (this is also possible if the person has already been additionally examined), then the therapist summarizes the results of the medical examination, determines medical recommendations, enters his conclusion into the database, transmits medical recommendations to the patient. This completes the business processes.

Reception of the patient by a medical professional;

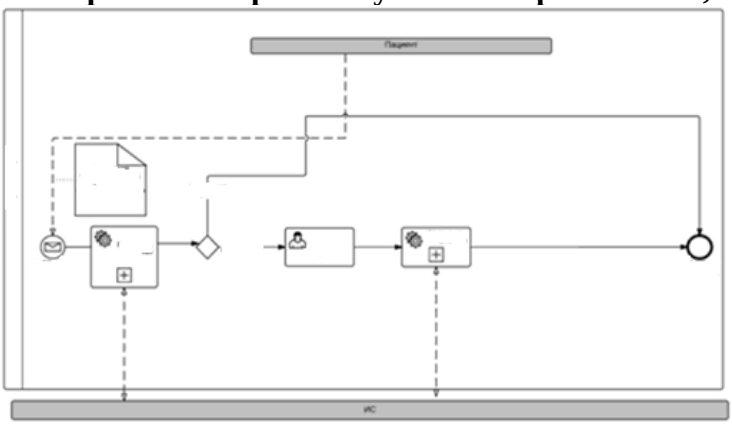

Diagram 1. Medical worker. Patient reception.

This model describes the business process of receiving a patient by a medical worker.

The first step in the presented business process model is to inform the patient that the therapist has referred him to this medical specialist.

Next, the medical worker sends a request to the database to verify the patient's data. After that, there are two ways to develop the business process:

1. The data turned out to be correct;
2. The data turned out to be false;

If the patient's data turned out to be false, then he is sent to the registry, and the business process ends. If they turned out to be correct, then a medical event is carried out by a specialist, and its results are stored in the database. This is the end of the business process.

Entering data into the database;

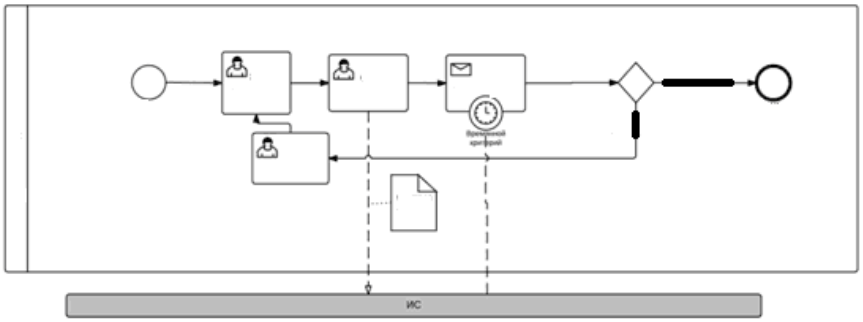

Diagram 2. Entering data into the database;

This model describes the business process of entering data into the database.

The first step in the presented business process model is entering data into the necessary tables, after which the user clicks the save button, and the data entered by him is saved in the database. Based on the time criterion, the user is waiting for a response from the database. After that, there are two ways to develop the business process:

1. Data saving was successful;
2. The data could not be saved;

If the IP has received a positive response about saving data in the database, the business process is completed. Otherwise, the user needs to solve the problem that prevents the data from being saved, and then repeat the business process from the beginning..

Request to the database;

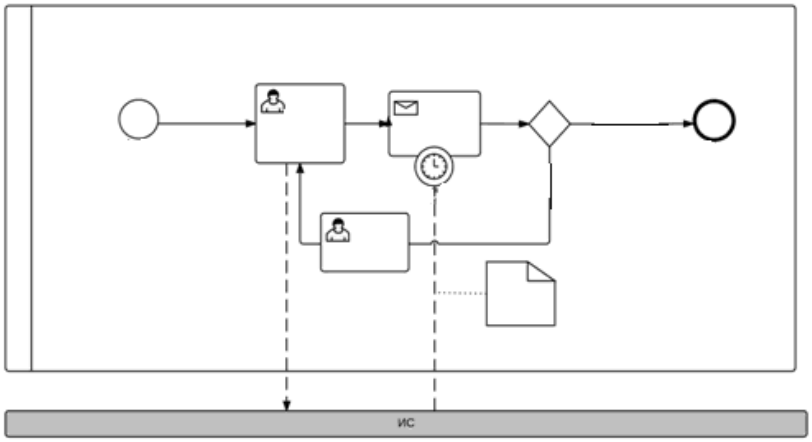

Diagram 3. Request to the database;

This model describes the business process of sending a request to the database and receiving a response from it.

The first stage in the presented business process model is sending the necessary request to the IP. The request can be any, the only criterion is that it should not exceed the functionality of the IC. Then, based on the time criterion, the user expects to receive data from the IC. After that, there are two ways to develop the business process:

1. The request was satisfied;
2. The request was not satisfied;

If the user's request was not satisfied, he fixes the problem that prevented him from getting the necessary information, and then repeats his request. If the request was satisfied, the business process is terminated.

Request to the patient;

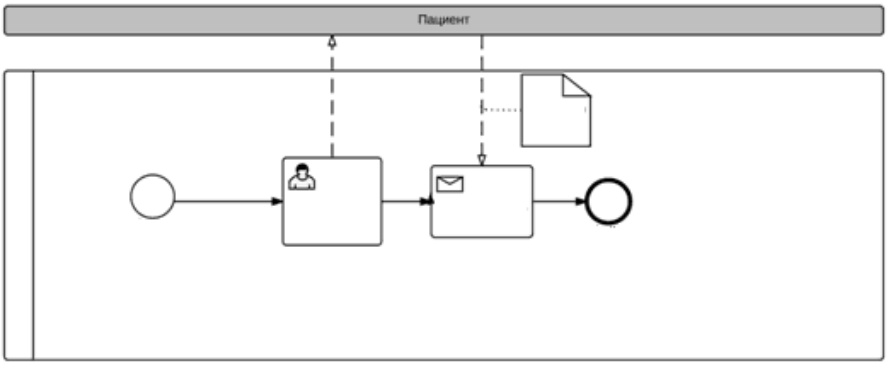

Diagram 4. Request to the patient

This model describes the business process of sending a request to a patient and receiving a response from him.

In the presented business process model, a medical specialist sends a request to the patient to obtain the necessary information, or to perform some action, after which he waits for a response. Regardless of the extent to which the request was satisfied, the business process is completed. If necessary, it can be repeated by a medical specialist.

References

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