

About “PhysioCare”:

This application is designed to be used by physical therapists and administrative staff to store, view and manage the clients’ profiles in a fast and convenient way. The profiles contain information about scheduled appointments, medical conditions and treatment status, personal details, and statistics. It includes a calendar that allows the user to view and schedule appointments for each physiotherapist.

The project is written in C# backend using WinForms framework and SQL Server.

The interface consists of 8 forms, which include working with personal and general data, appointment timetables, documents, a virtual store and more. More details are listed below:

- A database of profiles of patients and physiotherapists
- General and individual appointment displays, for any selected period, sorted by various criteria
- Automatically generated dynamic data, such as patient age
- Automatic validation of the entered data by format
- An alternative calendar showing the beginning and end of the appointment, to make scheduling work with multiple patients simultaneously more convenient
- General table of appointments, that allows to sort them by various criteria
- The ability to schedule an appointment from either of the aforementioned forms. In the case of using the latter, the system automatically recognizes whether there is a discrepancy between the appointments for a particular physiotherapist and in this case requests confirmation of the appointment
- Database for types of ailments and categories of treatments corresponding to each of them
- Ability to store, copy, create and modify document templates directly from the application interface. Those templates can then be used to quickly and easily create individual documents for every specific situation (for example, personalised physiotherapy exercise instructions for the patient to do at home), and can be exported in MS Word format, all directly from the application interface
- The exported documents are automatically stored in folders corresponding to specific patients
- The GUI for editing the documents includes tools like text color, font size, etc.
- Ability to automatically group appointments into different appointment sequences, and display the data for specific sequences (by patient admission/discharge, or by invoice)

- Charts displaying various statistics, such as the dynamics of the patient's condition, with criteria such as sensitivity, control, range of movement, etc., according to the data provided by the physiotherapist
- An electronic store that allows you to sell medical equipment sorted by various criteria, as well as keep track of the goods available in stock. Includes a database with equipment categories and profiles, with pictures
- Almost every form includes a search option that allows you to display information about the patient by name, surname or passport number
- Most forms have an option to display various statistics, showing different data
- Ability to quickly access each form from any other one
- All data can be managed quickly and easily: create new entries, delete and modify

Examples of some of the GUI forms:

Personal Data Eliran Shapiro
356787647

* First Name: Eliran
* Last Name: Shapiro
* Passport: 356787647
* Date of birth: 04/04/1999 21 years
* Phone number: 086567456
Phone number2:
Address:
email:
* Physiotherapist: Aviv Lifshitz
Arrival date: 27/06/2019
Checkout: / /
Clear Entries

Documents: Data, Calendar, Purchase, Appointments
Other pages:

Create new account, Update account, Set checkout, Insert new arrival, Delete account

Date	Start Time	End Time	Physiotherapist	Version
25/5/2019	08:00	08:30	Nitzan Gershon	clinic
21/5/2019	07:00	07:30	Aviv Lifshitz	clinic
18/5/2019	10:00	10:30	Aviv Lifshitz	clinic
15/5/2019	08:00	08:30	Aviv Lifshitz	clinic

Aviv Lifshitz
2. 18/5/19 10:00-10:30
Aviv Lifshitz
3. 21/5/19 07:00-07:30
Aviv Lifshitz
4. 25/5/19 08:00-08:30
Nitzan Gershon
Home exercises:
deep lunge x30

Previous appointments, Show all appointments, Future appointments, Show exercises, Enter new exercise, Delete exercise, deep lunge, back pain, back stretch, knee pain

Open appointments file, Insert appointments, Insert exercise

Search: First Name, Last Name, Passport
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356787647:EliranShapiro(Aviv Lifshitz)
384567456-DanielHamson(Nitzan Gershon)

Personal appointments:
June, 2019
Sun Mon Tue Wed Thu Fri Sat
26 27 28 29 30 31 1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 1 2 3 4 5 6
Сегодня: 3/6/2020
Select start date, Select end date
1/5/2019, 30/6/2019
Show appointments by date

Statistics:
Number of appointments is: 4
The frequency of the appointments for the period is:
0.4 appointments per week.

