Computer science
Project Seminar

DocScheduler

User Manual

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DocScheduler is a web application designed to streamline the process of scheduling healthcare appointments. It provides a userfriendly platform for managing doctor appointments, accessing healthcare facility information, and maintaining patient records. The application supports three distinct user roles: Visitor, Patient, and Doctor, each with specific functionalities tailored to their needs.

User Roles and Functionalities

1. Visitor

Description: A Visitor is an unregistered user who can access basic information on the platform.

Functionalities:

- View general information about hospitals and doctors.
- Register to become a Patient.

2. Patient

Description: A Patient is a registered user who has created an account on the platform.

Functionalities:

- Schedule appointments with doctors.
- View and manage personal information and appointment history.
- Access detailed information about healthcare facilities and available doctors.

3. Doctor

Description: A Doctor is a professional user responsible for providing medical findings to patients.

Functionalities:

- View scheduled appointments with patients.
- Add medical findings for patients with appointments.
- Submit findings to conclude patient visits.

User Journey

1. Landing Page (Figure 1)

Upon visiting the DocScheduler website, users are greeted with the landing page, featuring:

A navigation bar with the following elements:

- Logo: Clicking the logo redirects the user to the landing page from any part of the website.
- Features: Provides information about the platform's capabilities.
- Find Doctor: Directs users to a list of healthcare facilities.
- Log In: Takes users to the login page.
- Help: Links to the help center.

A prominent section with a "Find a Doctor Now" button, which, when clicked, displays a list of all hospitals in Slovenia (Figure 2).
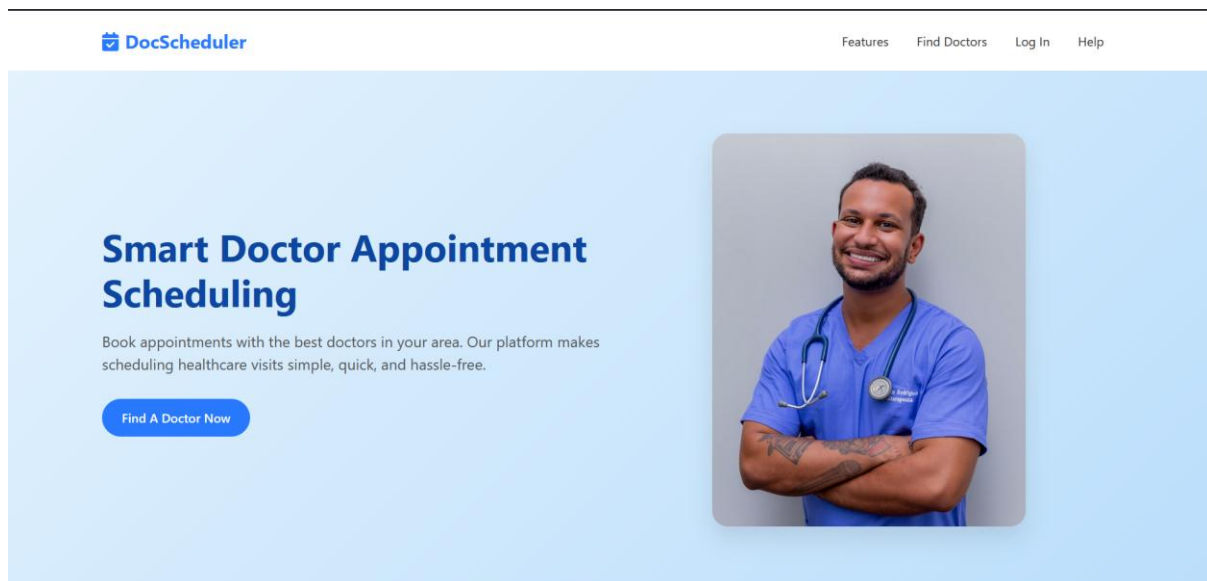

Figure 1 Landing Page

2. Finding Healthcare Facilities (Figure 2)

Users can view a list of healthcare facilities, such as the "Klinični center Ljubljana," with details including:

- Address (e.g., Zaloška cesta 2, Ljubljana).
- Specialties (e.g., Cardiology, Pediatrics).
- Doctors (e.g., Dr. Peter Novak, Dr. Ana Šubic).

To schedule an appointment, users must log in by clicking the "Log in Now" button, which redirects them to the login page (Figure 3).
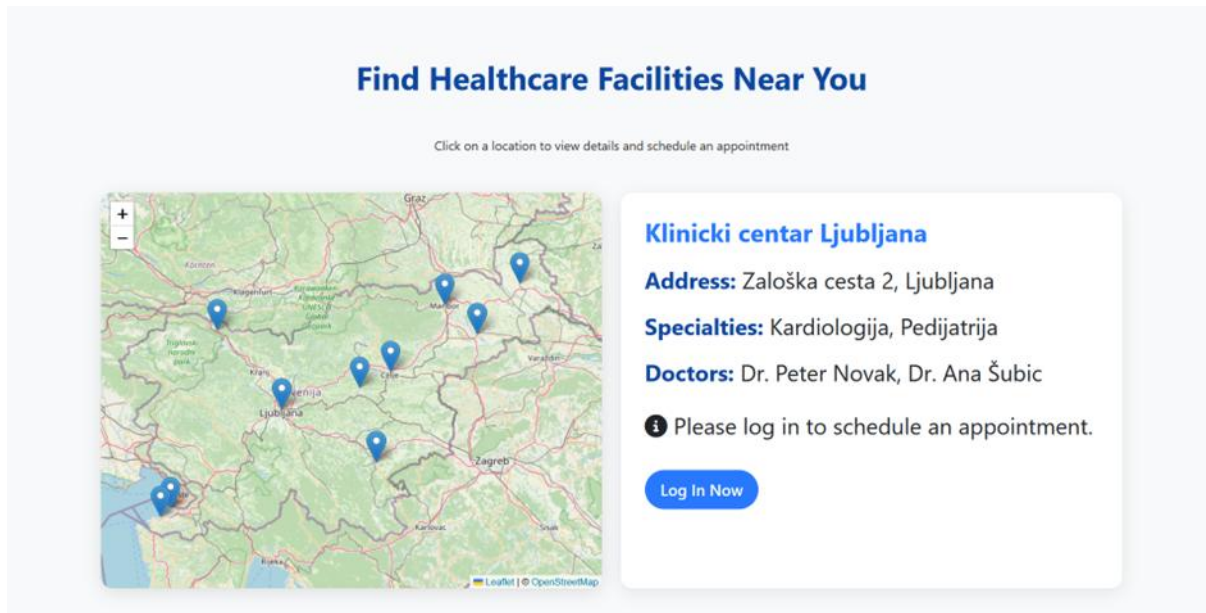

Figure 2 Finding Healthcare Facilities

3. Login Page (Figure 3)

Users enter their email and password to access their account.

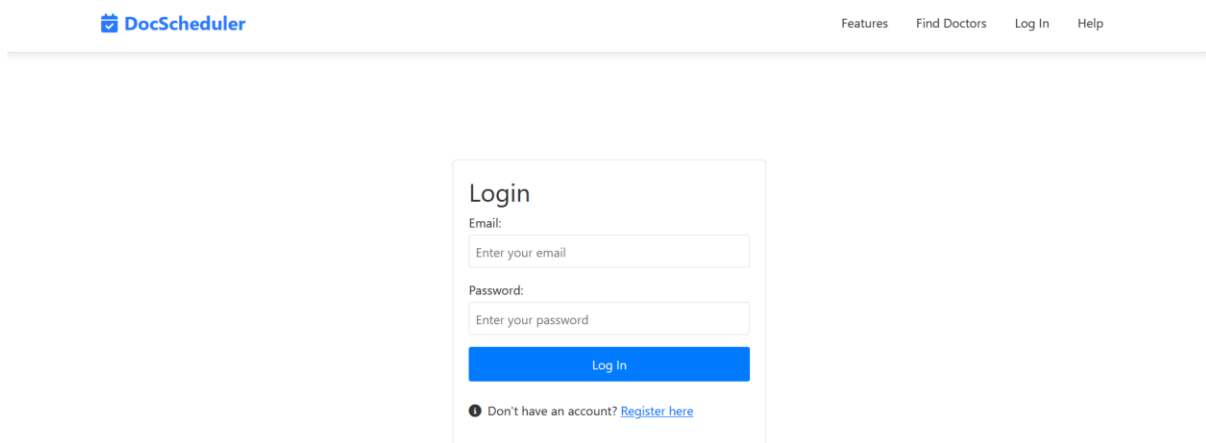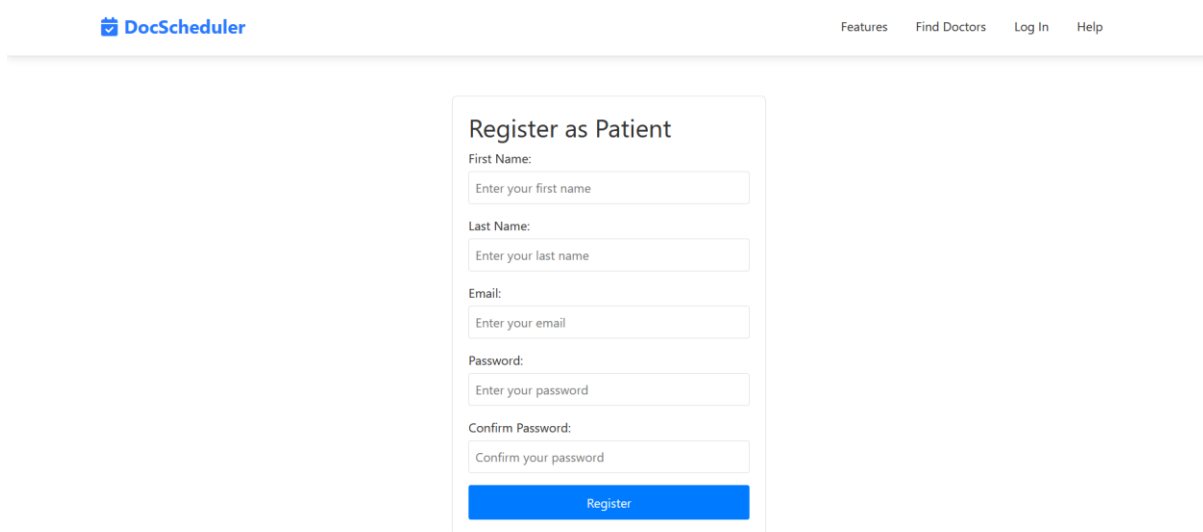New users can navigate to the registration page to create an account.

Figure 3 Login Page

4. Registration Page (Figure 4)

To register, users must provide:

- First Name
- Last Name
- Email
- Password (with confirmation)

Upon successful registration, users are redirected to the login page (Figure 3) to sign in.

Figure 4 Registration Page

5. Patient when is login (Figure 5)

After logging in, Patients are directed to a personalized dashboard with additional navigation options:

- My Records: Displays personal information and appointment history.
- Add Appointment: Allows scheduling new appointments.
- Log Out: Ends the user session.

The dashboard retains standard navigation elements (Features, Find Doctor, Help) and includes the "Find a Doctor Now" button.
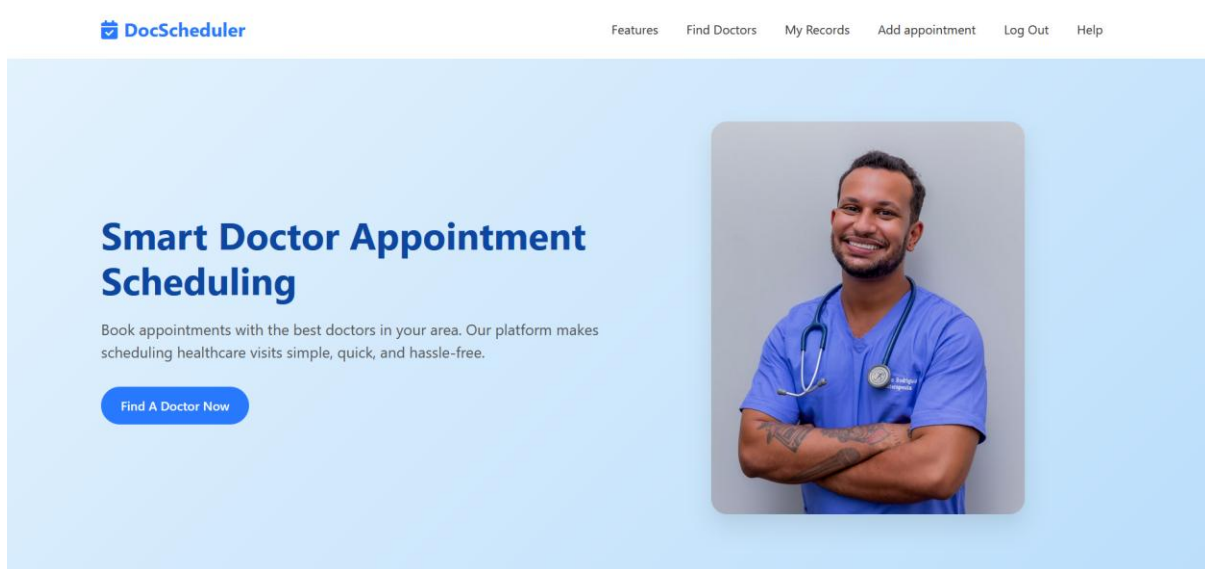

Figure 5 Landing Page when user is login

6. My Records Page (Figure 6)

Patients can view:

- Personal details (e.g., Name: Marko Petrovic, Date of Birth).
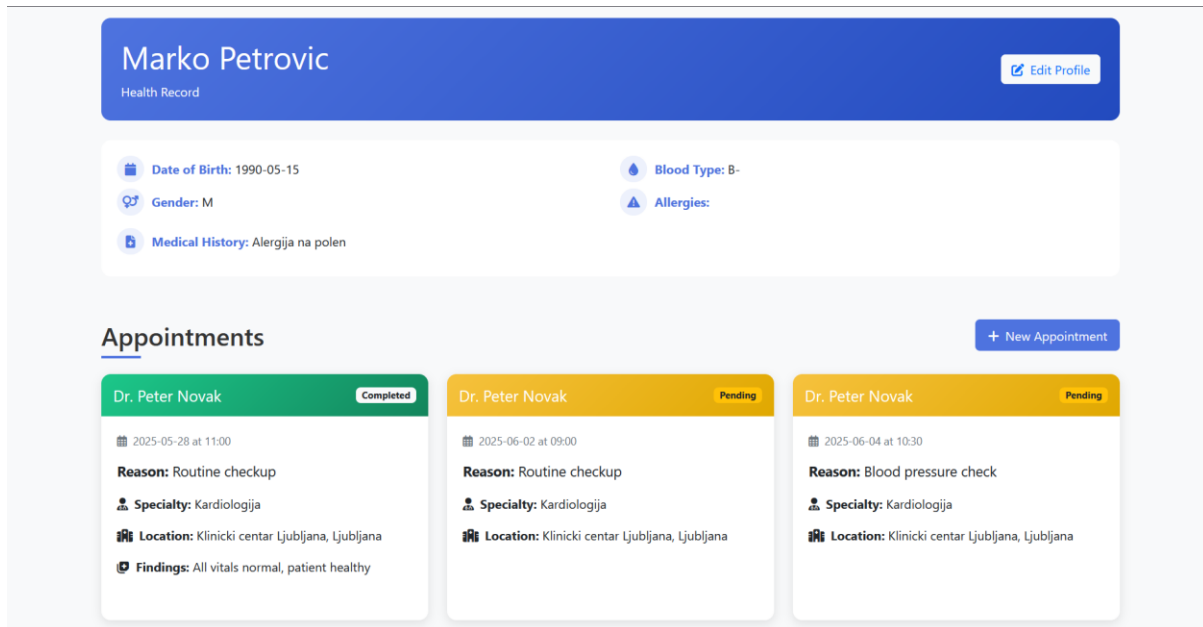- Appointment history, including past and upcoming visits.

Figure 6 My Records Page

7. Scheduling an Appointment (Figure 7)

While on the "My Records" page, the user has the option to directly schedule an appointment by clicking the "New Appointment" button. The website redirects them to the appointment scheduling page (Figure 7). The user first selects a hospital and then the doctor they wish to visit. The focus is on a calendar displaying available appointment slots:

- Green dates indicate days when the doctor has no scheduled appointments.
- Yellow dates indicate days when the doctor has at least one scheduled appointment.
- Red dates indicate days with no available appointment slots. After selecting a date, the user chooses a specific time for the appointment and enters the reason for the visit in the provided field. By clicking the "Schedule Appointment" button, the user confirms the booking, and the website returns them to the "My Records" page (Figure 6).

Add Appointment

Hospital:

Klinicki centar Ljubljana, Ljubljana ⌄

Doctor:

Dr. Peter Novak (Kardiologija) ⌄

Date:

● All available ● Partially booked ● Fully booked

	June ⌄ 2025					›
Sun	Mon	Tue	Wed	Thu	Fri	Sat
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	7	8	9	10	11	12

Time:

08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00

13:30	14:00	14:30	15:00	15:30

Reason:

[   ]

Schedule Appointment

Figure 7 Scheduling an Appointment

8. Doctor's Appointment Management (Figure 8)

Doctors can view their scheduled appointments and select a patient to add medical findings by clicking the "Add Findings" button, which navigates to the findings page (Figure 9).
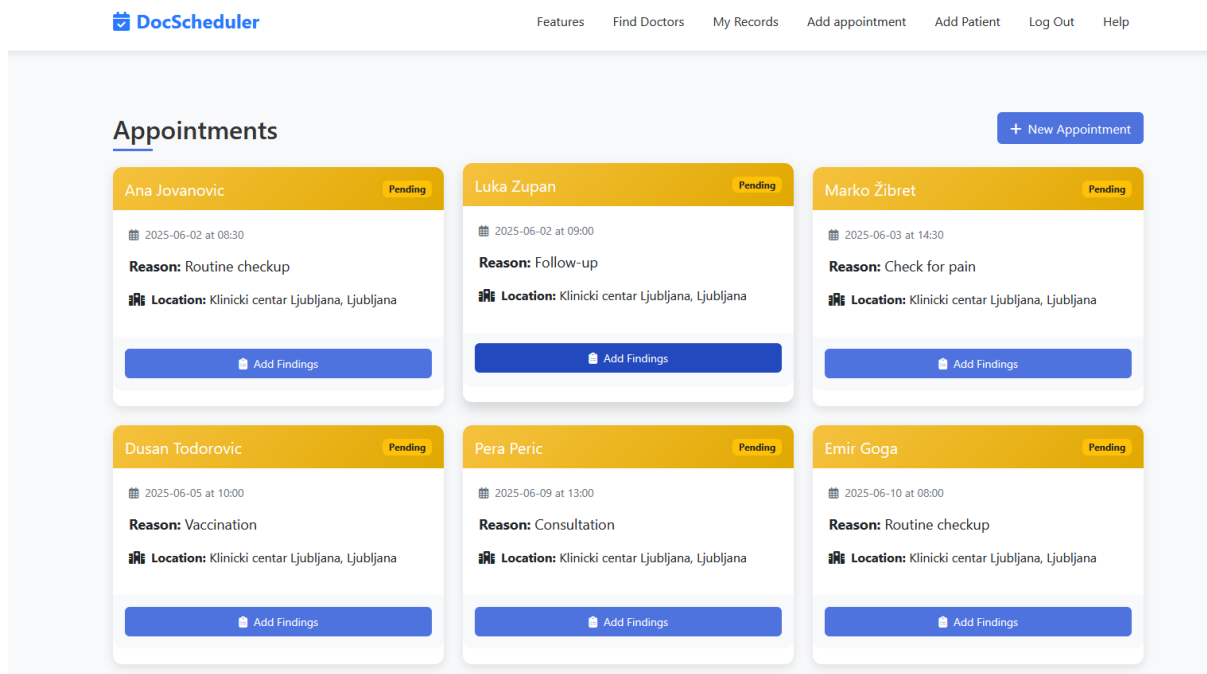

Figure 8 Doctor's Appointment Management

9. Adding Medical Findings (Figure 9)

Doctors can:

View patient information (e.g., Name: Ana Jovanovic, Date of Birth: 19850522).

Review previous findings for the patient.

Add new medical findings for the appointment.

Submit findings by clicking the "Submit" button to conclude the visit.

Figure 9 Adding Medical Findings

10. Help Center (Figure 10)

The Help Center (Figure 10) provides users with resources and guides for scheduling appointments, getting started with the platform, and finding doctors.

Figure 10 Help Center