
BEATYSYS: A system for Cosmetic Surgery Clinics

for

TaskLab

Version 1.0

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1 Introduction

1.1 Purpose

Efforts are being made to enhance record efficiency, ensure data security, and provide quality customer care. Additionally, the aim is to streamline the management and tracking of aesthetic surgical procedures. These initiatives underscore the commitment to optimizing operational processes and prioritizing patient well-being. By integrating advanced technology and refining administrative protocols, the goal is to elevate service standards while maintaining utmost confidentiality and precision in data handling. Ultimately, the overarching objective is to cultivate a seamless and exemplary experience for both clients and healthcare providers alike, fostering trust and satisfaction in every interaction.

1.2 Intended Audience and Reading Suggestions

This (BEATYSYS: A system for Cosmetic Surgery Clinics) file is for developers, project managers, users and testers. Further the discussion will provide all the internal, external, functional and also non-functional informations about "BEATYSYS WEBSITE".

1.3 Project Scope

The "Beautysys" project, aimed at establishing a specialized system for clinic for aesthetic surgeries, embarks on a journey to pioneer an innovative solution in development and management, promising to revolutionize the operational framework of the medical center. In pursuit of this vision, several key areas have been identified for consideration:

- **Comprehensive Application Development:** We envision the creation of an all-encompassing application tailored to the unique needs of the aesthetic surgeries clinic, seamlessly integrating various functions and services to enhance operational efficiency and client satisfaction.
- **Efficient Records Management:** Central to our mission is the optimization of record-keeping processes, ensuring swift access to critical information while maintaining accuracy and compliance with regulatory standards.
- **Clinic Efficiency Enhancement:** Through strategic implementation of streamlined workflows and advanced technologies, we aim to elevate the overall efficiency of clinic operations, reducing wait times and enhancing the patient experience.

- Data Security and Patient Privacy: Recognizing the paramount importance of safeguarding sensitive data, our project prioritizes the implementation of robust security measures and strict privacy protocols to instill trust and confidence among patients and stakeholders.
- Enhanced Customer Care Quality: At the heart of our endeavor lies a commitment to delivering unparalleled quality of care to our clients. By fostering a culture of empathy, professionalism, and continuous improvement, we aspire to exceed expectations and set new standards in customer service within the aesthetic surgery industry.

2 Overall Description

2.1 Product Perspective

"BEAUTYSYS WEBSITE" aims to develop a comprehensive system for monitoring, managing, and administering a clinic specializing in aesthetic surgeries. At its core, the primary focus is on enhancing the efficiency of records, ensuring the security of data, and delivering high-quality customer care. Additionally, there is a concerted effort to streamline the management and tracking of aesthetic surgical procedures, empowering clinics to maintain comprehensive and accurate patient records. By leveraging advanced technology and refining administrative processes, the goal is to establish a seamless and exemplary experience for both patients and healthcare providers, thereby fostering trust and satisfaction at every stage of the surgical journey.

2.2 User Classes and Characteristics

"BEAUTYSYS WEBSITE" has basically 3 types of users.

- Admin
- Staff
- Users

2.3 Product Functions

"BEAUTYSYS WEBSITE" The envisioned system aims to serve as a comprehensive repository for all aspects of cosmetic surgery clinic operations. This includes not only storing data related to appointments, consultations, and surgeries but also implementing robust inventory management functions. By centralizing these critical components within a unified platform, the system will facilitate seamless coordination and communication across various departments, optimizing resource allocation and enhancing overall efficiency.

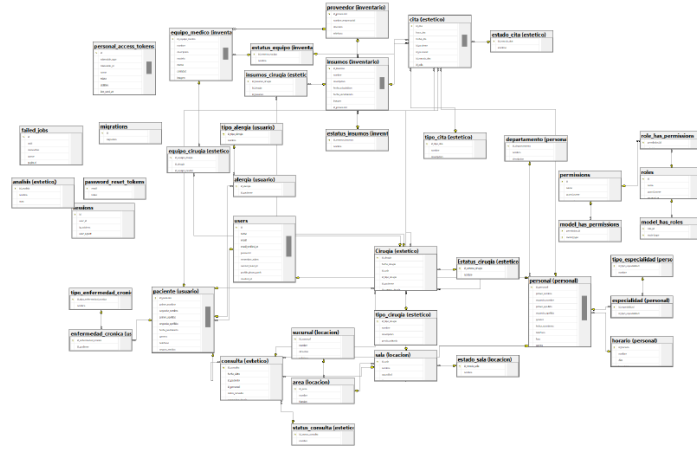


Figure 2.1: Beautsys Database

Appointment Generation and Management: The system will enable the efficient scheduling and tracking of appointments, offering flexibility for both patients and practitioners. Through intuitive interfaces and automated reminders, it aims to minimize scheduling conflicts and maximize clinic utilization.

Consultation Records and Documentation: Detailed records of patient consultations will be meticulously stored, providing a comprehensive overview of each individual's medical history, preferences, and treatment plans. This ensures continuity of care and facilitates informed decision-making for both patients and medical professionals.

Surgical Procedures Management: From pre-operative assessments to post-operative follow-ups, the system will streamline the entire surgical process, maintaining meticulous records of procedures performed, surgical outcomes, and patient recovery progress. This comprehensive approach enhances patient safety and enables continuous improvement in clinical practices.

Inventory Control and Management: In addition to clinical data, the system will incorporate robust inventory management functionality, allowing for the seamless tracking and replenishment of medical supplies, implants, and consumables. By maintaining accurate inventory records, the clinic can optimize resource utilization, minimize waste, and ensure timely procurement of essential items.

Integration and Data Security: To ensure seamless operation and data integrity, the system will feature robust integration capabilities, allowing for seamless communication with existing clinic infrastructure and external stakeholders. Moreover, stringent security measures will be implemented to safeguard patient confidentiality and protect against unauthorized access or data breaches.

2.4 Operating Environment

The website will be operate in any Operating Environment - Mac, Windows, Linux etc.

2.5 Design

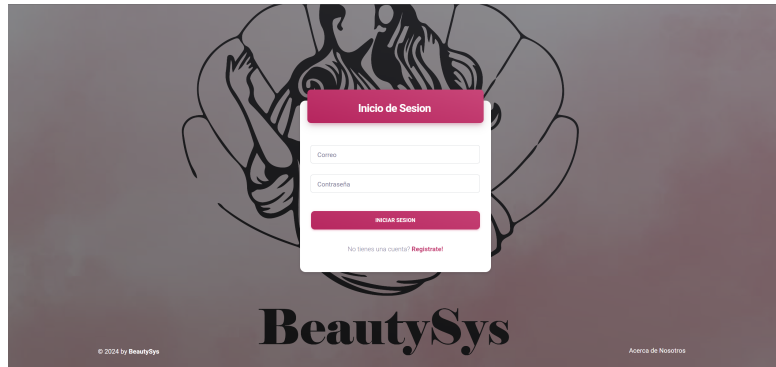


Figure 2.2: Beautysys Login Page

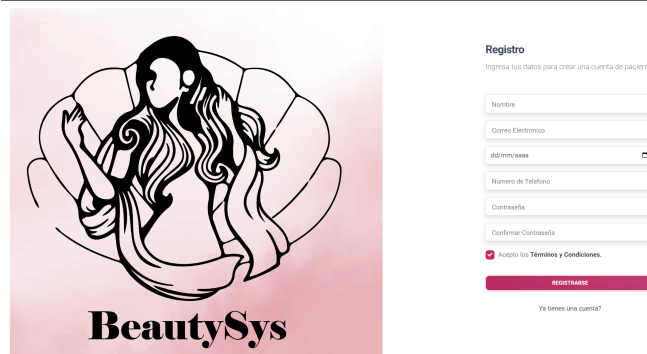


Figure 2.3: Beautysys Register Page

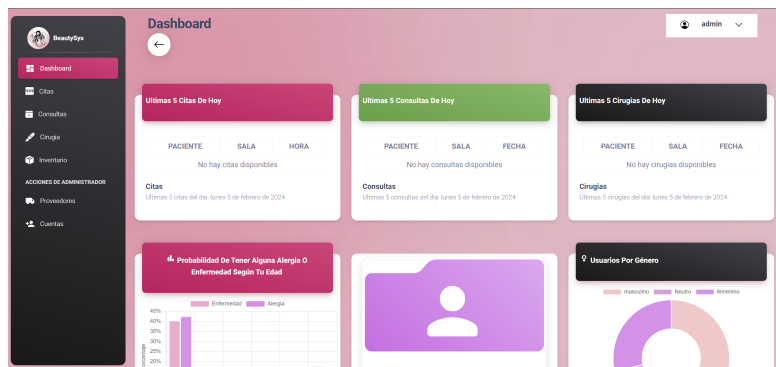


Figure 2.4: Beautysys Dashboard

ID	Fecha	Hora	Estado	Sala	Paciente	Tipo de Cita	Doctor	Acciones
10	06-12-2023	12:00 PM	En proceso	3	alejandro gonzalez	Tratamiento de Botox	jesus velazquez	[Iconos de acciones]
8	01-12-2023	10:00 PM	En proceso	3	jesus gonzalez	Consulta Evaluativa	jesus velazquez	[Iconos de acciones]
5	02-12-2023	02:34 PM	Resguardado	3	carlos velazquez	Relevo Dérmico	jesus velazquez	[Iconos de acciones]
2	30-11-2023	10:09 AM	En proceso	3	jesus gonzalez	Consulta Evaluativa	jesus velazquez	[Iconos de acciones]
1	04-12-2023	09:07 PM	En proceso	3	example martinez	Consulta Evaluativa	jesus velazquez	[Iconos de acciones]

Figure 2.5: Beautysys Citas Page

ID	Fecha	Hora	Paciente	Personal Encargado	Estado	Nombre de la Sala	Acciones
7	2023-12-07	12:00 PM	gonzalez alejandro	velazquez jesus	Completada	Consulta 2	[Iconos de acciones]
6	2023-12-08	12:00 PM	gonzalez alejandro	velazquez jesus	Programada	Consulta 2	[Iconos de acciones]
5	2023-12-06	12:00 PM	gonzalez alejandro	velazquez jesus	Programada	Consulta 2	[Iconos de acciones]
4	2023-12-01	10:09 PM	velazquez jesus	velazquez jesus	Completada	Consulta 2	[Iconos de acciones]
3	2023-11-30	10:09 AM	velazquez jesus	velazquez jesus	Completada	Consulta 2	[Iconos de acciones]

Figure 2.6: Beautysys Consultas Page

ID Cirugia	Nombre de Cirugia	Sala	Fecha	Hora	Paciente	Personal Encargado	Estado	ID Consulta	Acciones
4	Liposucción	Quirófano 2	2023-12-01	10:20 PM	jesus velazquez	jesus velazquez	Programada	4	[Iconos de acciones]
3	Rinoplastia	Quirófano 1	2023-11-30	10:06 AM	jesus velazquez	jesus velazquez	Pendiente de Evaluación	3	[Iconos de acciones]
2	Rinoplastia	Consulta 1	2023-12-07	09:01 AM	example martinez	jesus velazquez	Pendiente de Evaluación	1	[Iconos de acciones]
1	Rinoplastia	Recepton	2023-11-23	11:00 PM	example martinez	jesus velazquez	Cancelada por el Medico	2	[Iconos de acciones]

Figure 2.7: Beautysys Cirugias Page

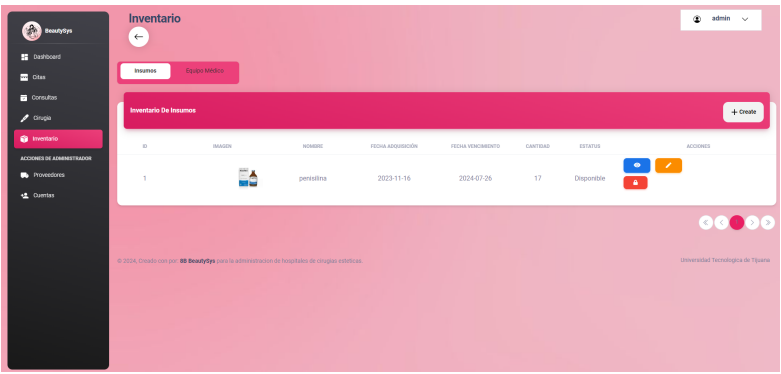


Figure 2.8: Beautysys Inventario Page

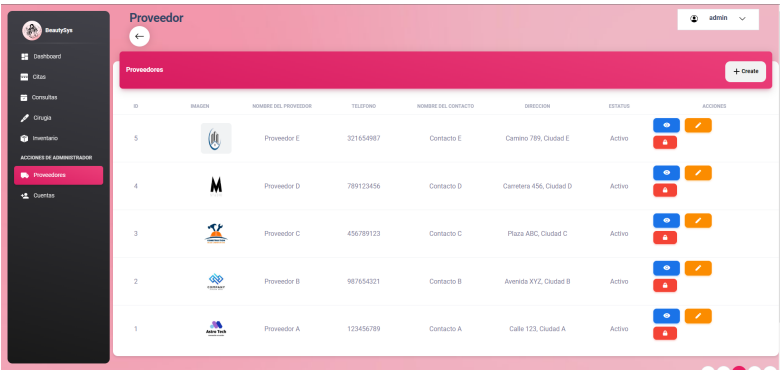


Figure 2.9: Beautysys Proveedor Page



Figure 2.10: Beautysys Cuentas Page

2.6 UML

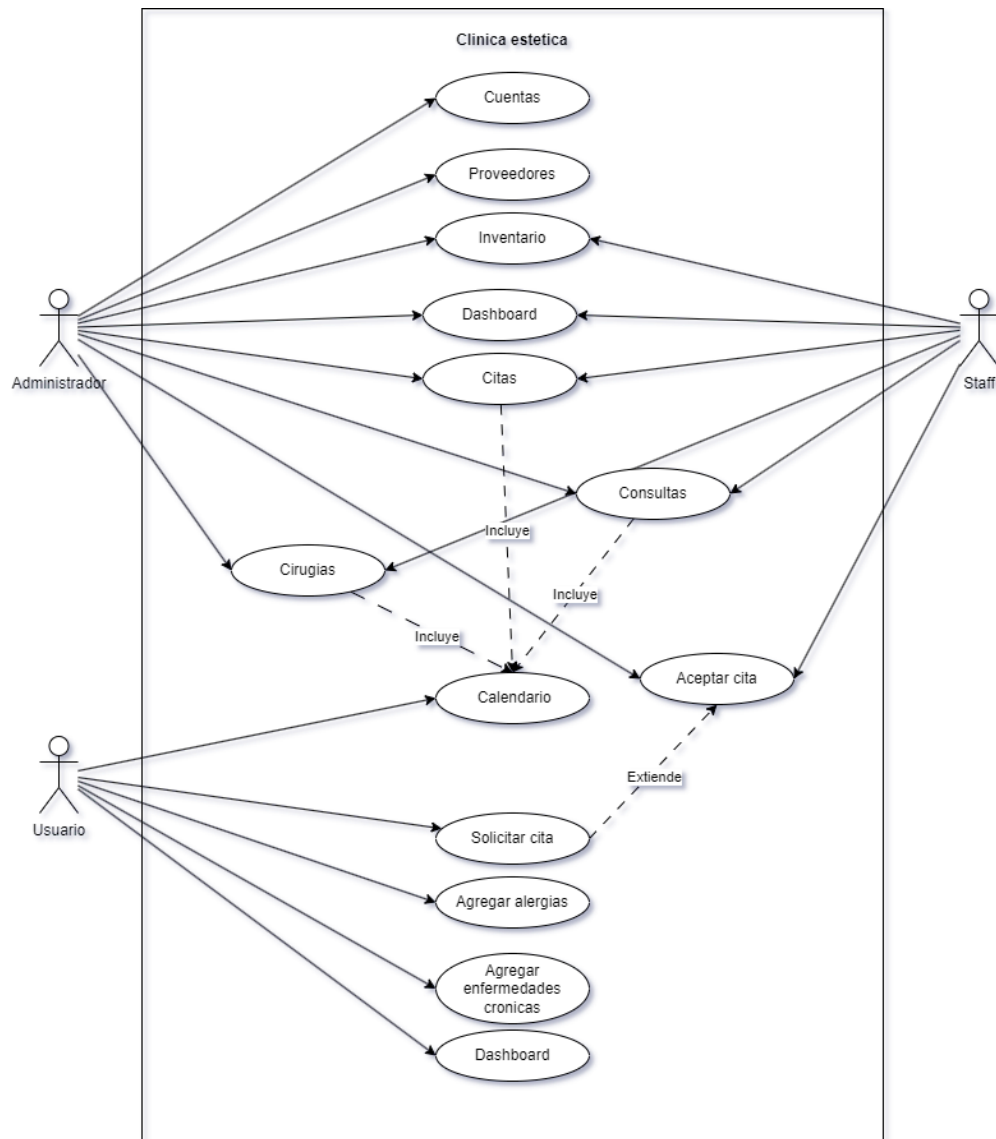


Figure 2.11: Beautsys UML Diagram

3 System Features

"BEAUTYSYS WEBSITE" is conceived with the primary goal of enhancing efficiency in the process of recording, accessing, and modifying data, while concurrently bolstering data security measures and elevating the standard of customer care. By streamlining these essential functions, the system aims to provide a seamless experience for both clinic staff and clients, fostering trust and satisfaction.

3.1 Description and Priority

"BEAUTYSYS WEBSITE" has features that are main and also some are sub. But all the feature is necessary for this software.

1. Appointment Generation and Management: The system will enable the efficient scheduling and tracking of appointments, offering flexibility for both patients and practitioners. Through intuitive interfaces and automated reminders, it aims to minimize scheduling conflicts and maximize clinic utilization.
2. Consultation Records and Documentation: Detailed records of patient consultations will be meticulously stored, providing a comprehensive overview of each individual's medical history, preferences, and treatment plans. This ensures continuity of care and facilitates informed decision-making for both patients and medical professionals.
3. Surgical Procedures Management: From pre-operative assessments to post-operative follow-ups, the system will streamline the entire surgical process, maintaining meticulous records of procedures performed, surgical outcomes, and patient recovery progress. This comprehensive approach enhances patient safety and enables continuous improvement in clinical practices.
4. Inventory Control and Management: In addition to clinical data, the system will incorporate robust inventory management functionality, allowing for the seamless tracking and replenishment of medical supplies, implants, and consumables. By maintaining accurate inventory records, the clinic can optimize resource utilization, minimize waste, and ensure timely procurement of essential items.
5. Integration and Data Security: To ensure seamless operation and data integrity, the system will feature robust integration capabilities, allowing for seamless communication with existing clinic infrastructure and external stakeholders. Moreover, stringent security measures will be implemented to safeguard patient confidentiality and protect against unauthorized access or data breaches.

3.2 Functional Requirements

The "BEAUTYSYS WEBSITE" is being build on Laravel framework and SQL server

Back-End - Laravel.

Font-End - Laravel.

Database - SQL server.

4 Other Nonfunctional Requirements

4.1 Performance Requirements

"BEAUTYSYS WEBSITE" will be used for a comprehensive system for the monitoring, management and administration of a cosmetic surgery clinic. So, for further interaction, Laravel and SQL Server are used.

4.2 Security Requirements

No one without registered users can inter to the website. One particular user of a section only can perform his/her particular actions.

4.3 Software Quality Attributes

In the development phase also testing and conferences of users is been continued. So that the quality of the software is been maintained and all the requirements are been fulfilled.

Database, logical and also UI test is required.

4.4 Business Rules

"BEAUTYSYS WEBSITE" is a comprehensive system for the monitoring, management and administration of a cosmetic surgery clinic.

Basically save working time and pressure.

5 Other Requirements

"BEAUTYSYS WEBSITE" needs maintenance as it is a long process software. It will need re-factoring and further the requirements can be changed as the field is changing frequently.