



SRS Document

for

The Consultant! Website

SE311 Project deliverable 3

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Section 1180

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1. Introduction

1.1. Purpose

The intent of the SRS (Software Requirements Specification) document for your "The Consultant" project is to clearly define the functional and non-functional requirements for release 1.0 of the "The Consultant" website, as well as the constraints and assumptions of the software to be developed. This document serves as a foundation for the development process and helps ensure that the software meets the needs and expectations of the stakeholders.

1.2. Document Convention

- Italicized text indicates titles of outer sources.
- Blue italicized text indicates links.
- Bold text indicates headlines.
- Each requirement has its own priority.

1.3. Project Scope

The scope of "The Consultant Website" project is to develop a user-friendly platform that enables clients to easily browse and book online meetings with lawyers from various law firms, as well as securely make payments for the services rendered. The website should provide a seamless and efficient experience for both clients and lawyers while ensuring the confidentiality and privacy of sensitive information. More detailed information can be found in [*The Consultant - Vision and Scope Doc*](#) and [*The Consultant Second Deliverable*](#).

1.4. References (APA format)

- *Functional and Nonfunctional Requirements: Specification and Types*. (2021, July 23). AltexSoft. <https://www.altexsoft.com/blog/business/functional-and-non-functional-requirements-specification-and-types/>
- Krüger, G. (2023b). *How to Write a Software Requirements Specification (SRS Document)*. Perforce Software. <https://www.perforce.com/blog/alm/how-write-software-requirements-specification-srs-document>
- WordPress.com. (n.d.-b). WordPress.com. <https://wordpress.com/home/sarahaljurbua.wordpress.com>
- *The Consultant!* (n.d.). *The Consultant!* <https://sarahaljurbua.wordpress.com/>
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2. Overall Description

2.1. Project Perspective

The consultant website

The platform enables clients to browse and book online easily meetings with lawyers from various law firms, as well as securely make payments for the services rendered and provided.

2.2. Project Function

This website is expected to perform the following major functions:

- 1-The system shall allow the user to create an account.
- 2-The system shall allow the user to log in if they have an account.
- 3-The system shall allow the user to continue as a guest.
- 4-The system shall allow the user to search for a lawyer.
- 5-The system shall allow the user to let the client see how's lawyer available.
- 6-The system shall allow the user to schedule an appointment with the lawyer.
- 7-The system shall allow the user to choose the payment option.

2.3. User Classes and Characteristics

Lawyer: A lawyer is a person who advises and represents clients in courts, before government agencies, and in private legal matters. Communicate with their clients, colleagues, judges, and others involved in the case.

Client: A client is a person who uses The consultant website to take advice from lawyers. A client can schedule an appointment with the lawyers. The increase in the website's revenue is directly related to the increase in clients.

The consultant website: A website that enables clients to browse and book online meetings with lawyers, as well as securely make payments.

Admin: The admin is responsible for managing the system, the admin shall be responsible for updating the menu and maintaining the software. As well as they shall be responsible for administering the users.

2.4. Operating Environment

OE-1: The consultant website shall operate with the following mobile environments: IOS, and Android.

OE-2: The consultant website shall be compatible with all mobile device models (ex: iPhones, ipads, laptops, PCs, androids... etc).

OE-3: The consultant website shall be connected to the internet.

2.5. Design and Implementation Constraints

CO-1: Adherence to the policies, procedures, and bylaws of Saudi bar association.

CO-2: Each user shall have their own ID.

CO-3: Information of the user shall be confidential.

CO-4: Only lawyers and administrators can have access to the client's information.

2.6. User Documentation

UD-1: The first time a user is using the website, the system shall give the user an online virtual tour of how to use the website: how to edit information, how to book an appointment, and how to contact lawyers.

UD-2: The system shall have a chatbot for online help that is designed to answer frequently asked questions.

UD-3: The system shall have a FAQs page.

2.7. Assumptions and Dependencies

The consultant website

AS-1: The consultant website is operating 24 hours a day 7 days a week.

DE-1: Whenever the client books an available appointment and the lawyer accepts, the client can pay, and the lawyer will update his schedule according.

DE-2: The meeting platform between the lawyer and the client is compatible with the Saudi bar association environment.

3. External Interface Requirements

3.1. User Interface

UI-1: The consultant website shall provide a help button that explains how to use the functions on that page.

UI-2: The screen interface of the system must fit the size of the user's screen.

UI-3: To take the user back to the home page, each screen must feature a home button.

UI-4: Each screen shall have a Back button.

3.2. Hardware Interface

No hardware interfaces are needed.

3.3. Software Interface

SE-1: -

SE-1: Time possibility System.

SE-1-1: Through a software interface, the consultancy requisition system should transfer the number of purchased consultancies to the consultants' time possibility system.

SE-1-2: The consulting request system should go to the time possibility system interface to check whether the time is suitable for the consultant.

SE-1-3: If and only if the inventory system indicates that time is unavailable, the consultancy request system should remove it from the list.

SE-2: Payment interface

SE-2-1: When the user pays for an order, the request system must reconnect with the payment system interface.

SE-2-2: The payment system must inform the request system when the payment is successfully completed.

SE-2-3: When the payment is declined, the payment system shall notify the request system.

SE-2-4: The request system must retrieve from the payment system the users' prior payments and store them in the users' profiles.

SE-3: Consultant Database System

SE-3-1: Request system shall connect with the consultant database to check the user's ID and case number.

SE-3-2: When the consultant Database system notifies the request system that a valid ID and case number exist, the request system accepts the case.

SE-3-3: When the consultant Database system notifies the request system that no valid user ID and case number.

-exists, the request system does not accept the case.

3.4 Communications Interface

C1-1: Request system sends a text message to the user containing costs, his billing line, and payment information.

4. System Features

4.1. Create an account

Use Case ID:	1
Use Case Name:	Create an account
Actors:	User
Description	The user can sign in to the Consultant website. They ought to be able to register, log in if they already have an account, and continue browsing as a guest.
Preconditions:	The user should have access to the internet.

Postconditions:	The user's username and password are saved in the system.
Normal Flow:	<ol style="list-style-type: none"> 1. The registration page is shown on the system. 2. User requests to register. 3. The system shows the sign-up page. 4. The user inputs their ID, name, email, and phone number. 5. The user is prompted to input their new username and password by the system. 6. The system makes sure the username is available. 7. The user is prompted to enter their password again. 8. The system verifies that the signup was successful. 9. Home page is shown by the system.
Alternative Flows:	<p><u>1.1. User already has an account:</u></p> <ol style="list-style-type: none"> 1. The user chooses to log in. 2. System displays a login page. 3. User enters an email address and password. 4. System verifies email address and password. 5. The system checks if the user has two operators Enable authentication on the user account If so, the second authentication will be required. 6. System notifies user login was successful. 7. System displays the home page.

Exceptions:	<u>1.0.E.1:</u> Username or password incorrect 1. The system finds the username or password incorrect. 2. System notifies the user that the login was not successful. 3. System returns to the login page (step 2). <u>1.0.E.2:</u> Email address is taken (branch after step 5) 1. The system notifies the user that the email address is taken. 2. System goes to the login page (step 2 in 1.1).
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4.2. Book Appointment

Use Case ID:	2
Use Case Name:	Book an appointment
Actor:	User
Description and priority:	The system will browse for the time availability to find the closest time available to book and view, And the user can cancel the booking when needed, view the booking history, and check the booking status. (High priority)
Preconditions:	1. The user is registered. 2. The user is logged in to their account. 3. The user should have access to the internet.

Postconditions:	<ol style="list-style-type: none"> 1. System updates available time slots periodically. 2. System books an appointment for the user. 3. System saves users' booking history. 4. System cancels the booking of the user if requested.
Normal Flow:	<p><u>1.0.</u> User books the earliest appointment:</p> <ol style="list-style-type: none"> 1. The system checks if the user has an account. 2. System shows the main menu with a button to search for the earliest available appointment to book. 3. System searches for the earliest appointments after the user clicks the button and redirects the user to a screen showing the earliest available appointment to book. 4. User books the appointment. 5. System updates the booked appointment. 6. System disables the button. 7. System goes back to the main menu. 8. System updates the appointment status to be available when the user cancels the appointment. 9. System enable button.
Alternative Flows:	<ol style="list-style-type: none"> 1.1. User chooses the earliest appointment. 1.2. User cancels the booking. 1. User cancels the booking for any reason. 2. System updates available appointments. 3. System returns to step 1.

Exceptions:	<p><u>1.0.E1:</u> The user does not have an account. (step 1)</p> <ol style="list-style-type: none"> 1. The system shows the user an error message and asks the user to create an account and try again. 2. The system returns to step 1. <p><u>1.0.E.2:</u> No available appointment found to book. (step 3)</p> <ol style="list-style-type: none"> 1. The system notifies the user that no appointment is available to book in the meantime and asks to try again later. 2. The system returns to step 1. <p><u>1.0.E3:</u> Two or multiple users booked at the exact same time at the same appointment. (step 4)</p> <ol style="list-style-type: none"> 1. System handles it by giving the first one booked in the nanosecond difference of time. 2. System shows other users that the available appointment was just booked at this second and asks them to try again. 3. The system returns to step 1.
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5. Other Nonfunctional Requirements

5.1. Performance Requirements

These requirements define the performance expectations for the system. For a consultant website, examples of performance requirements might include page load times, response times for search queries, and the maximum number of concurrent users the system can handle.

5.2. Safety Requirements

Safety requirements are essential to consider, even for a website. These requirements define any safety-related concerns that need to be addressed for the website. For example, if the website provides financial advice, there might be safety

requirements around ensuring the advice is accurate and that users are not inadvertently misled.

5.3. Security Requirements

Security requirements are critical for any website, especially for a consultant website that may be handling sensitive or confidential information. These requirements define the security measures that must be put in place to protect the system from unauthorized access, data breaches, and other security threats. Examples of security requirements for a consultant website include user authentication and access controls, data encryption, and regular security audits.

6. Quality Attributes

6.1. Usability

Usability is a quality attribute that refers to the ease of use and learnability of the website. For a consultant website, usability requirements might include ensuring the website is intuitive and easy to navigate, providing clear and concise instructions for using the website's features and ensuring the website is accessible to users with disabilities.

6.2. Performance

Performance is another quality attribute that is closely related to the performance requirements we discussed earlier. However, in this context, performance refers more broadly to the overall speed and responsiveness of the website. For a consultant website, performance requirements include ensuring fast page load times, minimizing the amount of time it takes to complete transactions, and ensuring the website can handle a high volume of users without slowing down.

6.3. Security

- The system shall lock a user's account after three consecutive unsuccessful login attempts within a period of four minutes.
- Any network transactions that include personal information or financial data must be encrypted.
- All users' information shall be secured.

6.4. Safety

-The system must protect against unauthorized access, modification, or disclosure of client data, which could result in harm to clients or loss of trust in the consulting firm.

-The system must be designed to provide accurate information to clients, which could be used to make crucial decisions or take significant actions.

7. Other Requirements

7.1. Appendix A: Glossary

Terms	Definition
FAQs	Frequently asked questions
ERD	Entity relationship diagram

7.2. Data Dictionary

Data Element	Description	Composition or Data Type	Length	Values
Lawyer	Accepts a client request and joins an online meeting with the client.	<ul style="list-style-type: none">• ID Number• First and Last name• Phone number• Availability• Lawyers' specialties	9	<ul style="list-style-type: none">• ID number integers• First and last name (String)
Client	The client has the option to schedule an appointment with the lawyer who is best suited for their needs.	<ul style="list-style-type: none">• ID• First name• Last name• Phone number	9	<ul style="list-style-type: none">• ID number (Integers)• First and last name (String)
Schedule	The schedule will display the available dates and times of the lawyers, allowing clients to make an appointment.	<ul style="list-style-type: none">• Date• Time	-	<ul style="list-style-type: none">• The Date must be in A.D

7.3. Appendix B: Analysis Model

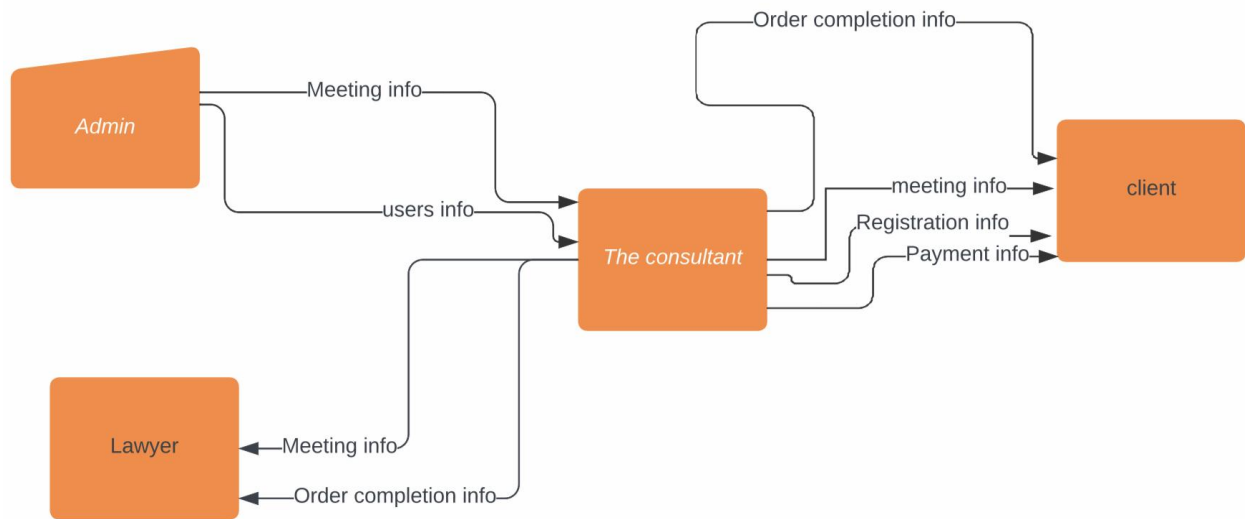


Fig.1: Flow chart using Lucid.

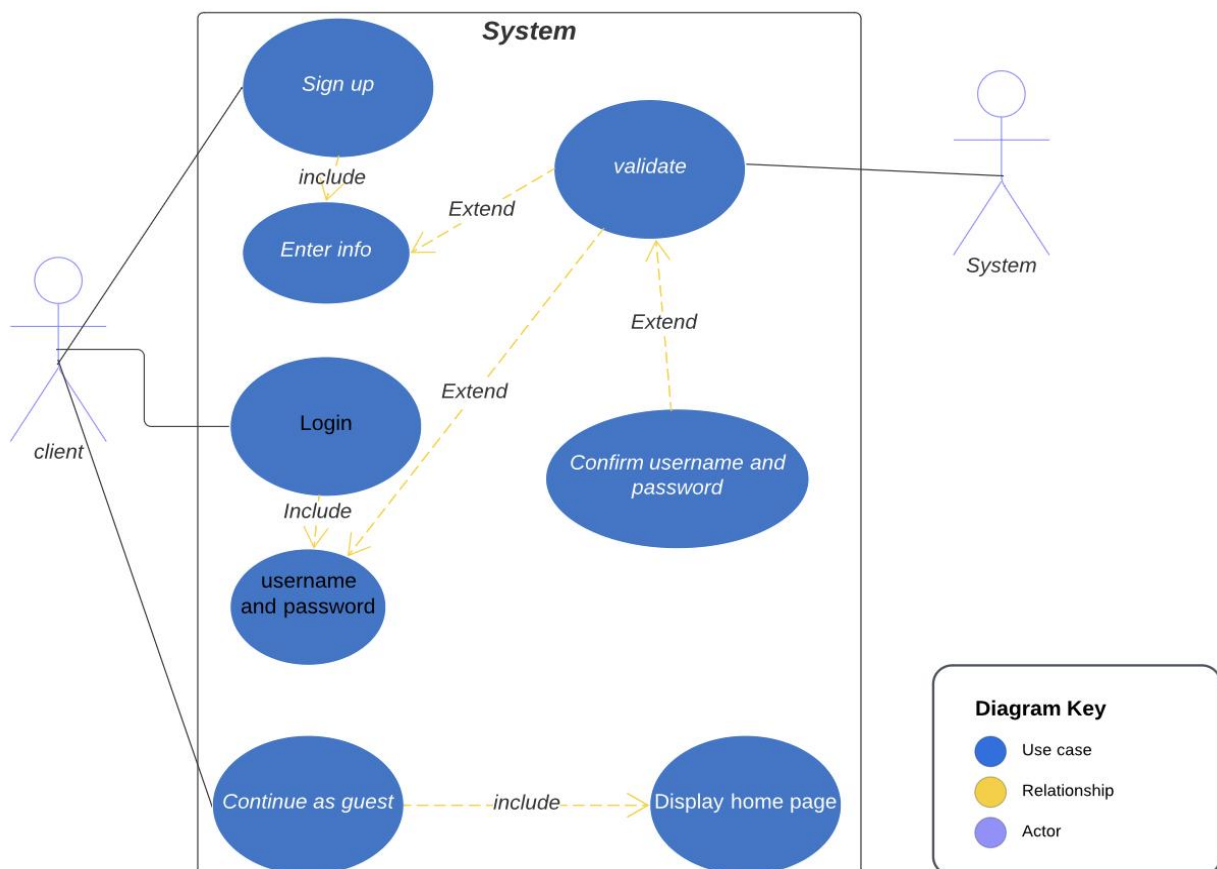


Fig. 2: Use case diagram

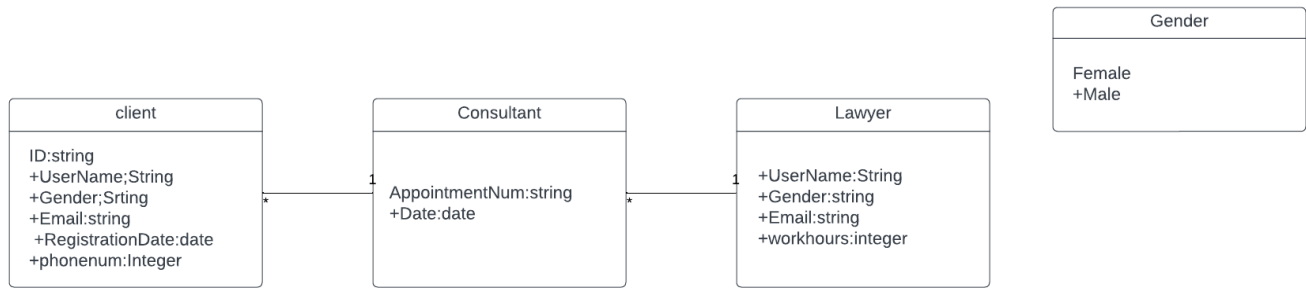


Fig. 3: UML class diagram

8. Additional

8.1. Individual Contribution

Name	Individual Contribution
Sarah Aljurbua	Table of contents, High-Fidelity Prototype, Introduction (#1), and Additional (#8)
Fatemah AlGarni	5 and 6.1, 6.2
Fayza AlRasheed	6.3, 6.4, all of 7
Munira AlSaleh	3,4
Reema AlMazyad	2

8.2. High-Fidelity Prototype

Our high-fidelity prototype was made using WordPress, it is a fully functioning website with multiple pages (Home, FAQs, Book Now). Multiple features and functionalities have been instated into the website, and the requirements were taken from previous deliverables. Some of the functionalities include a booking page, giving a review, and the ability to look at previous clients' reviews. The link for our high-fidelity website: [The Consultant!](#).

