

# Software Requirements Specifications Review Report (SRS RR)

## 1. Review report



Especially in this covid time, students are overworked, having to juggle school, one or more jobs, as well as maintaining a social life can be difficult to balance and they often forget to take care of their mental health. During their studies, they may face several issues and some cope with them better than others. Those who are unable to deal with their issues on their own may need a professional who could help. Unfortunately, even thinking of therapy as an option may earn disapproval from others since it's considered taboo in many cultures. This software they are working on it called Therapy Corner and the requirement specifications are really well-prepared and deliberately thought project. Even there are some recommendations that we recommend, in Recension; there is not just one true idea. **So many people can think different things and both of them can still be true.**



Use case diagram are systematically prepared. Use case descriptions represents use case diagram really well, the other additional activity diagrams are also represent descriptions well. Functional and nonfunctional requirements are elaborately prepared with articles. GUI frames don't strain eyes and also the buttons are located in easily accessible places which makes ignorant and incognizant people understand fast. Several API connections they mentioned can help the connect the system to the other different systems easily.

## 2. Short Opinion

We are thinking that the project called Therapy Corner is really well-prepared, contemplated, deliberately thought project. They created diagrams tentifly, use case descriptions circumspectly, requirements elaborately, API connections are contemplated on. Their GUI frames don't strain eyes and this is really good.



## 3. List of All Comments (Bugs or Recommendations)

To find and see it easily, we added comments in the group's software requirement specifications pdf and listed all comments at the end of it (which is in 18<sup>th</sup> page) .

# Therapy Corner - Software Requirements Specifications

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## 1 Presentation of the problem

Living in a face-paced world where everything is available to us in a click can get quite overwhelming at times. Students are overworked, having to juggle school, one or more jobs, as well as maintaining a social life can be difficult to balance and they often forget to take care of their mental health. During their studies, they may face several issues and some cope with them better than others. Those who are unable to deal with their issues on their own may need a professional who could help. Unfortunately, even thinking of therapy as an option may earn disapproval from others since it's considered taboo in many cultures.

Because of this, many people suffer needlessly and don't seek help. Another reason is that therapy can be quite expensive, finding a good therapist is difficult and not enough of them are available online. Normally, a person would ask someone close to them for a recommendation, but not everyone has this option.

## 2 Presentation of the solution

The goal of this project is to solve the problem by connecting people seeking help to those offering it. Many could benefit from it, among those struggling students. The system allows its users to connect to potential therapists. It allows users to view the profiles of those offering a service, rate the ones who's service they had previously used which could be beneficial to future users as well. The therapists offer their services by selecting the time at which they're available for booking and provide a service to the patients either through Zoom or using the platform offered through Therapy Corner.

### 3 Use cases

#### 3.1 Use Case diagram

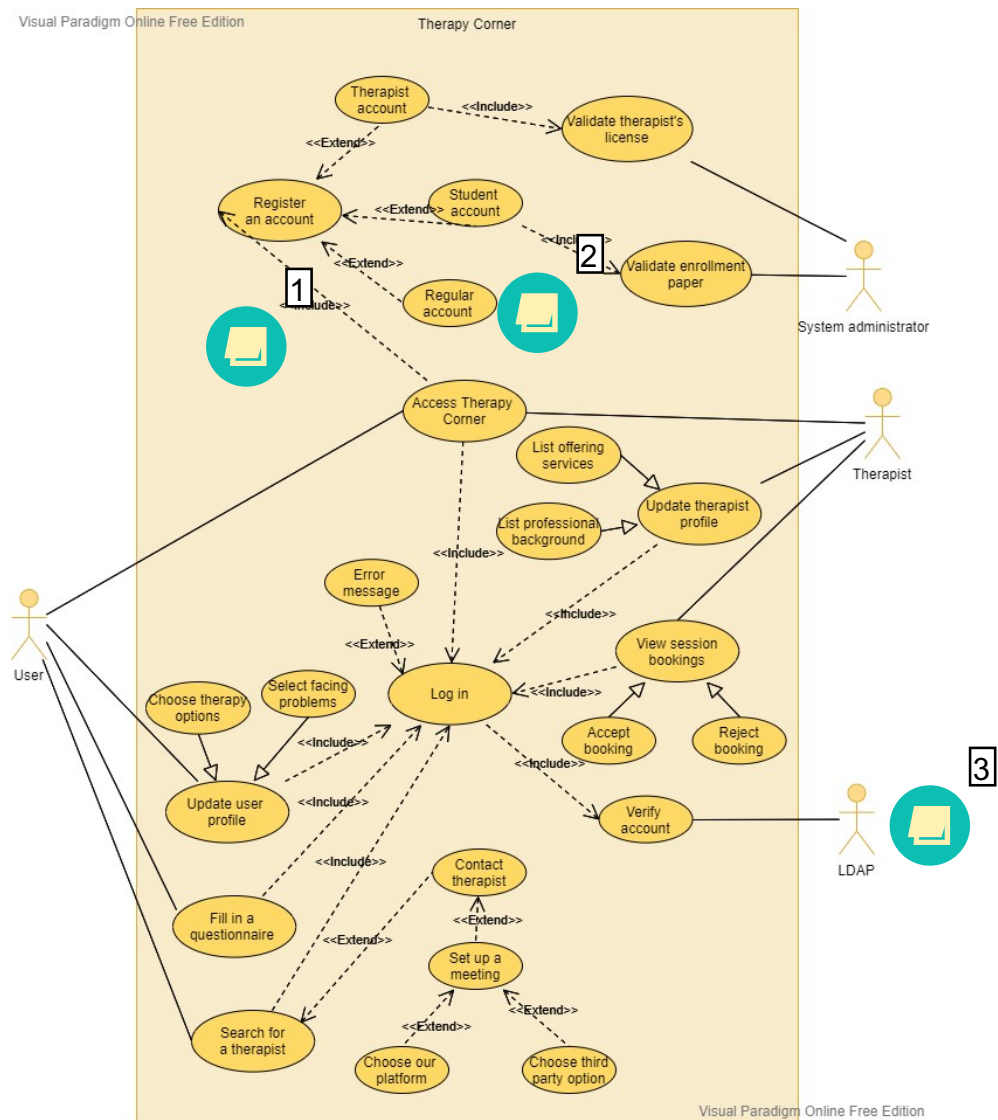


Figure 1: Use Case

## 3.2 Use case descriptions

### 3.2.1 Access Therapy Corner (Patient)

1. Use case name: Access Therapy Corner
2. Actors: User, Therapist, System Administrator
3. Requirements: The user needs to access the application to be able to get help from a professional regarding their mental health.
4. Trigger: The user feels their mental health is on decline, they find out about Therapy Corner from a friend and decide to create an account and search for a therapist.
5. Basic (main) flow:
  - (a) Since the user is not a registered member, they register an account.
  - (b) The user is a student. They submit their enrollment paper as proof.
  - (c) The system administrator checks and validates the document.
  - (d) The user's account has been created.
  - (e) The user logs in.
  - (f) The user updates profile.
  - (g) The user searches for a therapist.
  - (h) The user contacts the therapist.
  - (i) The user books an appointment and the use case ends.
6. Post conditions: The user has scheduled a therapy session allowing him to get needed help.

#### 1. Alternative flows:

- (a) 1A: The user tries to register, but they enter an invalid e-mail address. The user's e-mail address is invalid and the use case ends.
- (b) 2A: The user submits the wrong enrollment paper. The enrollment paper cannot be validated by the system administrator. Error message is displayed and the use case ends.
- (c) 5A: The user tries to log in, but enters the wrong password. Error message is displayed and the use case ends.
- (d) 7A: The user cannot find the right therapist that fits their needs. The user changes the criteria. The user finds the right therapist and the use case ends.
- (e) 9A: The user tries to book an appointment with the selected therapist. The therapist is busy and unable to fit them into the schedule. The user cannot make an appointment and the use case ends.

### 3.2.2 Access Therapy Corner (Therapist)

1. Use case name: Access Therapy Corner
2. Actors: User(Therapist), System Admin
3. Requirements: The user needs to sign up and set up their account in order to be able to provide help to students.
4. Trigger: The user finds Therapy Corner on a Google search for psychological volunteering opportunities.
5. Main flow:
  - (a) The user is shown the prompt to sign up or log in.
  - (b) The user picks the option to sign up as a therapist.
  - (c) They provide their license and are informed that the licensing procedure is ongoing.
  - (d) The system administrator checks the document and approves the therapist's new account.
  - (e) The therapist receives an email about the confirmation.
  - (f) The therapist is now able to log in.
  - (g) The therapist sets up their account with their credentials.
  - (h) Once someone has contacted the therapist, they are able to set up a meeting. The use case ends.
6. Post conditions: The therapist has an appointment with a student who needs help.

#### 7.1 Alternative flows:



- (a) The website is down and produces an error on loading. The use case finishes.
- (b) The email address specified is invalid. The use ends as it can't continue until a valid email is provided.
- (c) The user submits an invalid file format. The use ends and won't continue until a valid format is provided.
- (d) The user submitted a file which is not a valid therapist licence. The admin refuses the account. The use case ends.
- (e) The user enters an incorrect password. An error message is displayed and the use case ends.

### 1 3.2.3 Verify Therapist's Licence, Verify Enrollment Paper

1. Actors: User, Therapist, System Administrator
2. Requirements: The system admin needs to verify students using their enrollment paper, and to verify therapists' licenses.
3. Trigger: A user has requested verification of their student status by submitting their enrollment paper, or a therapist has requested validation by submitting their license.
4. Basic (main) flow:
  - (a) The admin opens the Therapy Corner page.
  - (b) The system admin logs in with their credentials.
  - (c) The admin opens the list of requests that they have received.
  - (d) The admin opens one request.
  - (e) The admin checks the document submitted.
  - (f) The admin checks the enrollment paper.
  - (g) The admin validates the user.
  - (h) The admin checks the therapist's license.
  - (i) The admin checks the license number in a public directory.
  - (j) The admin verifies the therapist.
5. Post conditions: The user/ therapist has been verified and can now use Therapy Corner for online therapy sessions.

#### 2 Alternative flows:

- (a) 1A: The user submits an enrollment paper that is not valid anymore. The admin declines the request for student verification.
- (b) 2A: The therapist submits their license, but it's not valid. The admin declines the request for therapist verification.
- (c) 3A: The therapist submits a license that is not fully recognized. The admin declines the request for therapist verification and this therapist cannot schedule any sessions with students unless further documents are provided. The admin requests further documents from the therapist.
- (d) 4A: The user/ therapist submit a wrong file, empty file, or a file that cannot be open. The admin requests a resubmission of this document.
- (e) 5A: The admin tries to log in, but with the wrong credentials. An error message is displayed and the use case ends.

### 3.3 Functional and Nonfunctional requirements

#### 3.3.1 Functional Requirements

A **functional requirement** is a function or feature that must be included in an information system in order to satisfy the business needs and be acceptable to the users.

1. **Search** → The user should be able search for a therapist by name or information the therapist has provided (type of therapy, specific issues the therapist deals with...)
2. **Display** → The system should display information within it. It should be able to list all registered therapists with a brief description as well as profile details.
3. **Register, Log in** → Since certain functionalities are limited to registered users, the system needs to allow users to create an account or log into an existing one. Mandatory information in order to register includes: username, email, password and user account type (therapist or student). Name and surname are optional fields for students and mandatory for therapists.
4. **Submit Document** → Because the process of registering depends on the verification of enrollment papers and licenses, it is necessary to allow the user of the system to submit these documents
5. **Notify (via Email)** → The users should have feedback information on the procedure of verification. The software needs to have an option to notify the user via email that the process has begun, and whether their accounts have been activated or not once the process is completed.
6. **View, Verify - Document** → The administrator of the system needs to be able to view all documents pending verification, mark the documents as verified or reject them.
7. **Set up Account (Therapist)** → The therapist needs to be able to set up account to specify to the students what they can offer. This includes the type of license they have, areas or disorders they might specialize in or wish to work with as well as a list of times and dates when they have available slots for new patients.
8. **Request Appointment** → The student user needs to be able to contact the therapist in some sort of way in order to agree on the appointment. This can be done by clicking one of the available dates which will inform the therapist of the request.
9. **View, Edit, Delete - Therapy Session** → The therapist needs to be able to view all appointment requests and confirm or reject them, as well as edit existing ones should it be necessary.
10. **Message** → The students of the systems should be able to message therapists and vice-versa in order to be able to agree on crucial details such as location before a session can be executed.
11. **Delete - Account** → The system should allow deletion of their accounts if the users choose to do so.

### 3.3.2 Nonfunctional Requirements

1. **Usability** → The user interface is designed to be intuitive and highly accessible to all its users. Information on the therapist should be visible at a click of a button taking priority on the screen. The messaging interface allows the messages to be displayed in real-time and it's accessible to those with physical impairments too.
2. **Availability** → The system must ensure 24/7 operation with an uptime of at least 95%.
3. **Performance** → The system should initially be able to process 5000 entries per minute. The number of entries the system should be able to process in a minute depends on the number of it has. Each request has to be processed in under 20 seconds.
4. **Security** → The system deals with personal information provided by the user upon registration hence all data should be encrypted. To create an account, the user must generate a strong enough password. For users logging in, the system requires that the user answers a security question because the account may include sensitive information on the user.
5. **Compatibility** → The application should be compatible with several operating systems. It can be used as a web application through a web browser and an internet connection, but it should also be available as a mobile application, developed for Android and iOS devices.
6. **Localization** → The system is developed for people all over the world, therefore it needs to coordinate the language spoken by the patient and therapist; currency for session payments and time zones in which the users are at the moment of using the application.
7. **Maintainability** → In case of an error occurrence, the system should have a 90% maintainability for 24 hours and the users should be notified immediately.



### 3.4 Additional Diagrams

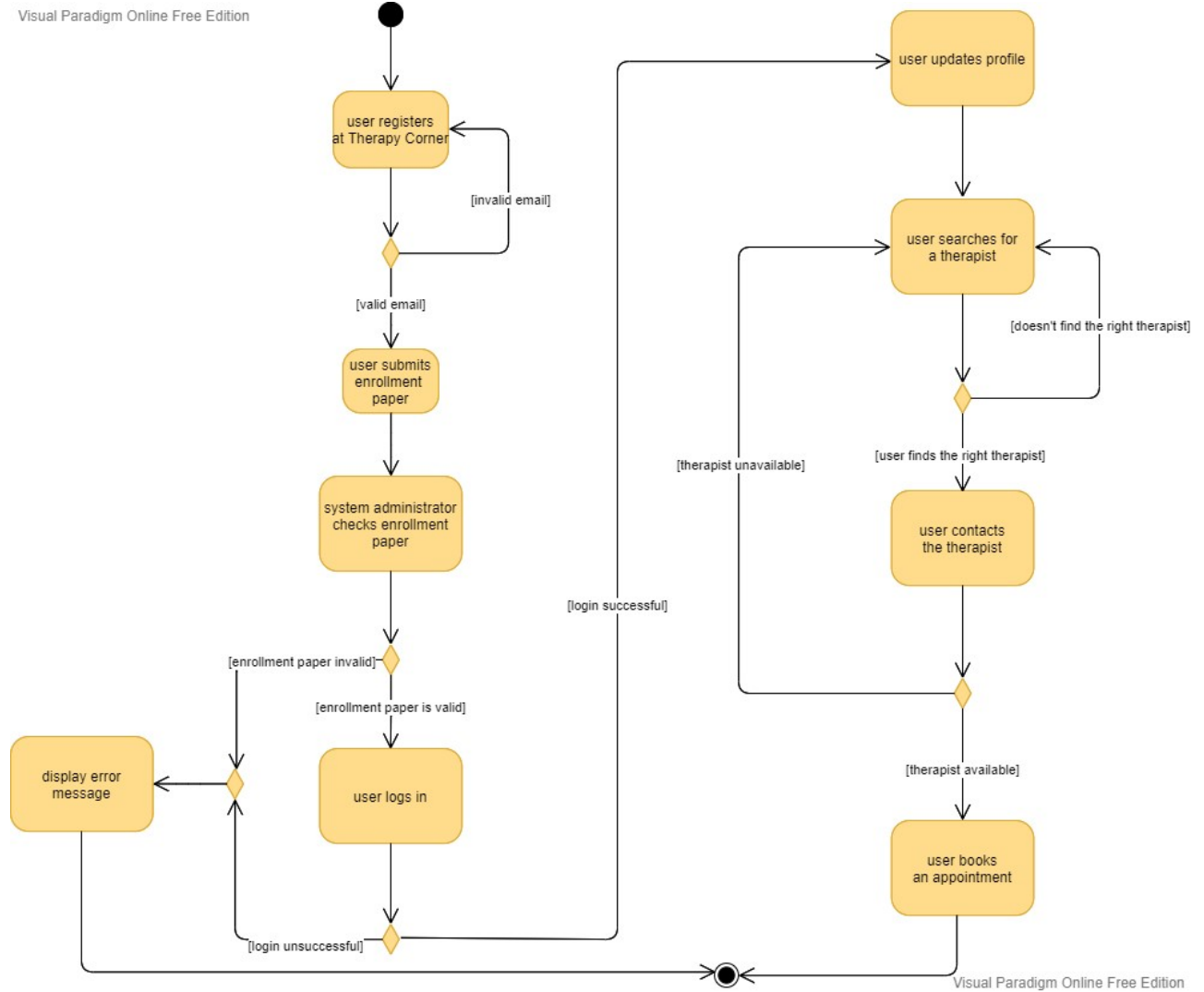


Figure 2: Activity Diagram: Access Therapy Corner (Patient)

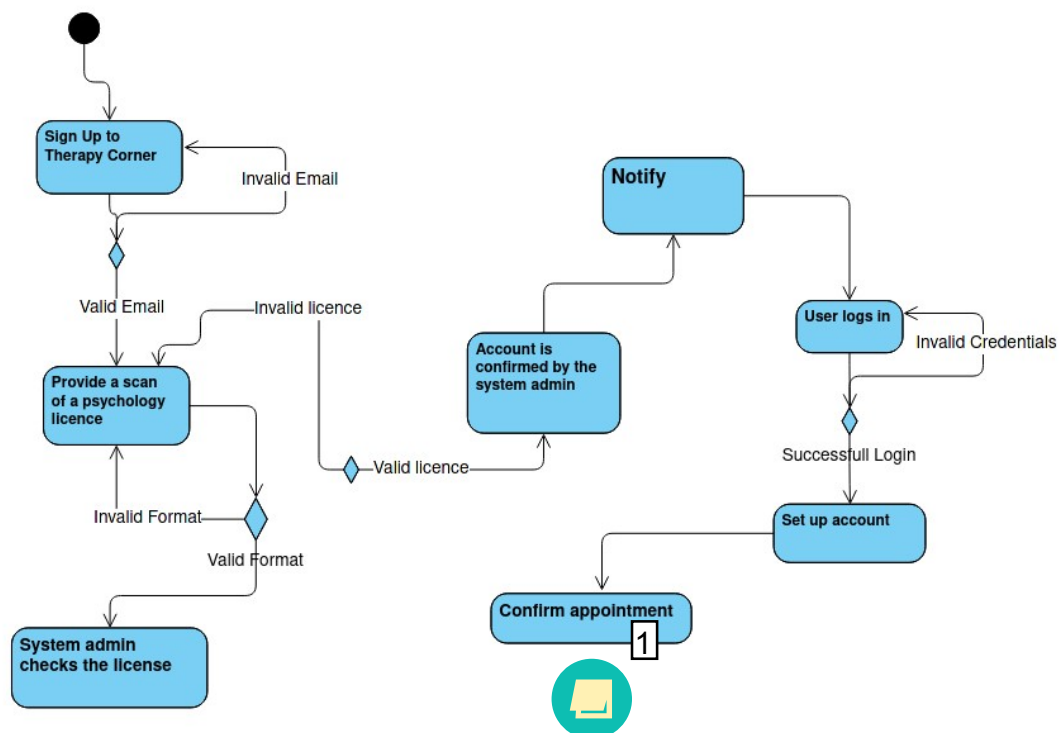


Figure 3: Activity Diagram: Access Therapy Corner (Therapist)

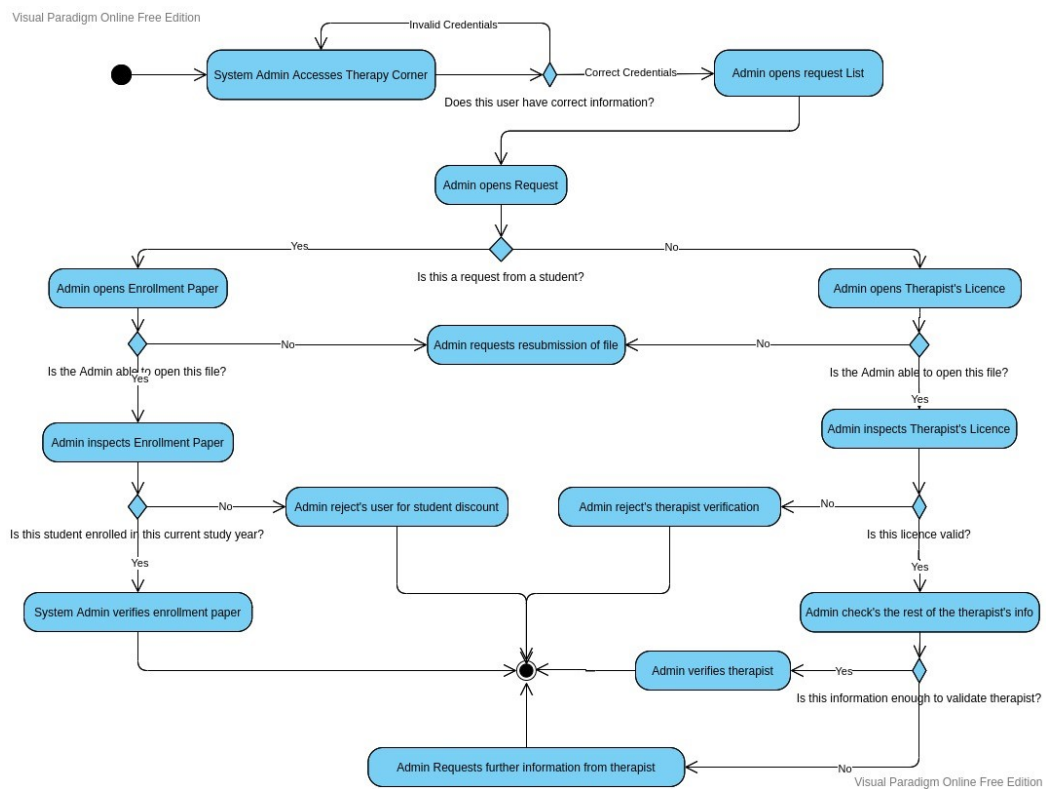


Figure 4: Activity Diagram: Verify Therapist's Licence, Verify Enrollment Paper

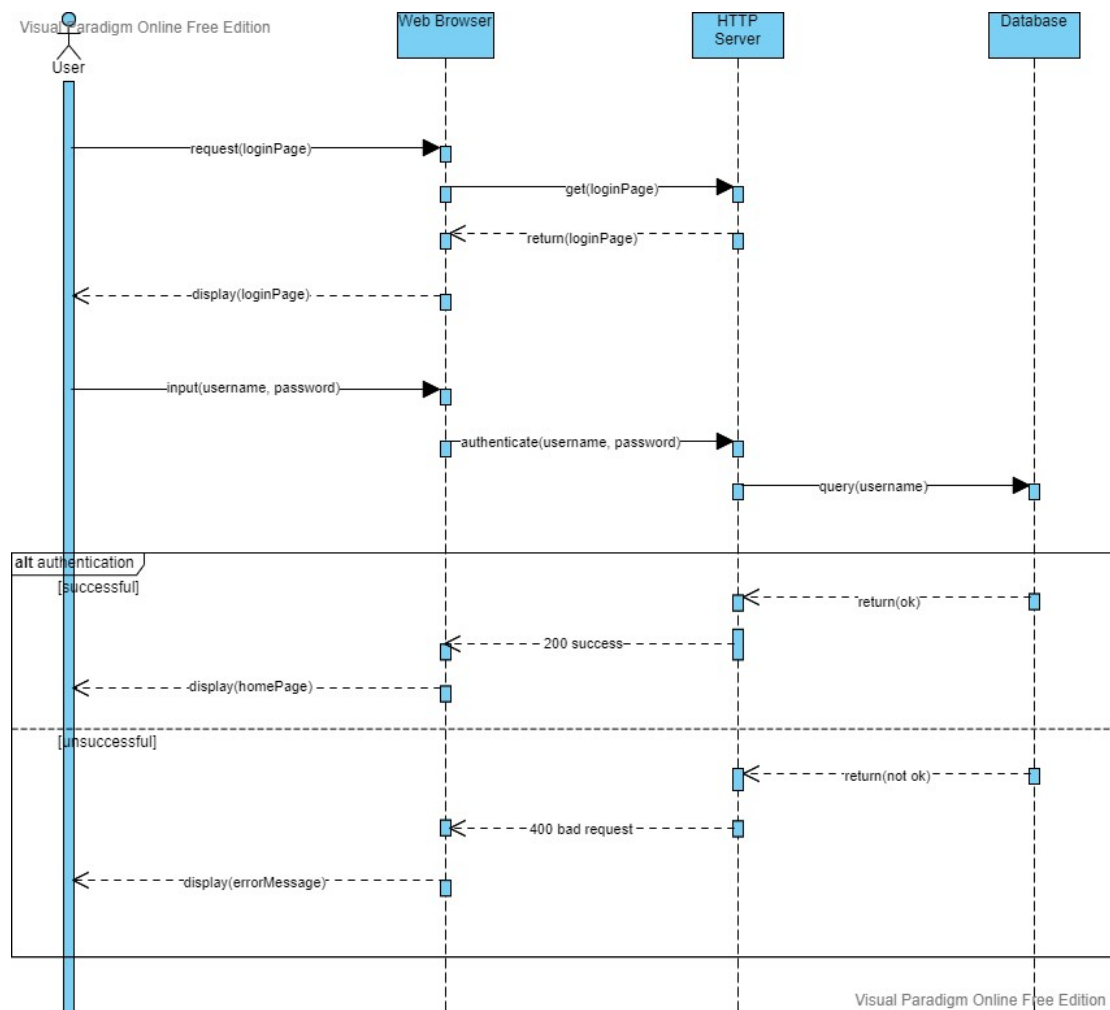


Figure 5: Sequence Diagram: Login

## 4 GUI Wireframes

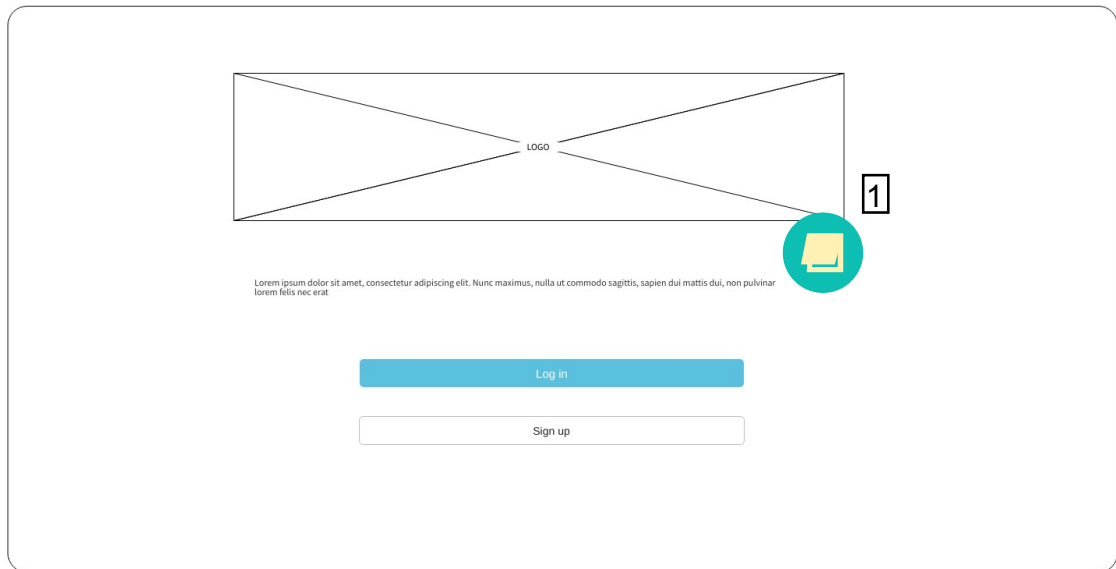
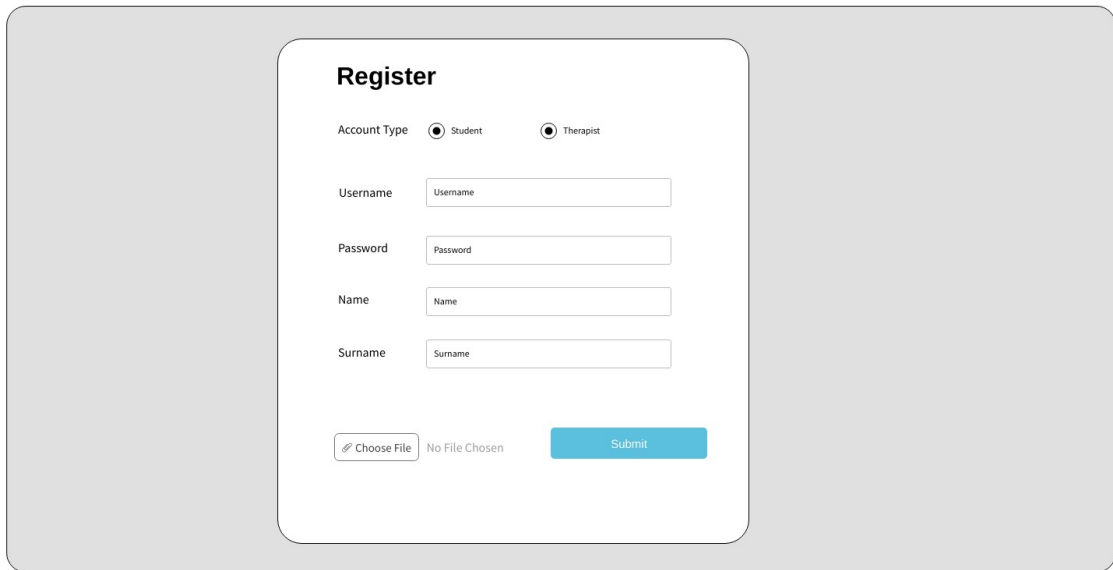


Figure 6: Index Page



The image shows a 'Register' form within a light gray container. The form is white with rounded corners. At the top, it has a title 'Register'. Below the title, there is an 'Account Type' section with two radio buttons: 'Student' (selected) and 'Therapist'. Following this are four input fields: 'Username', 'Password', 'Name', and 'Surname'. At the bottom of the form, there is a file upload section with a 'Choose File' button, the text 'No File Chosen', and a blue 'Submit' button.

**Register**

Account Type ☒ Student ☐ Therapist

Username

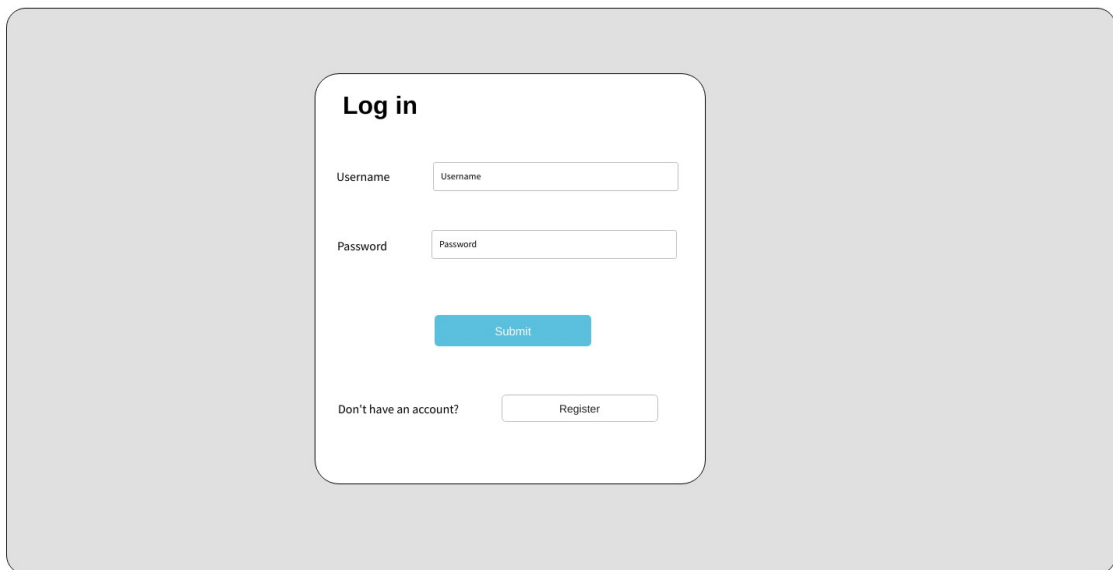
Password

Name

Surname

No File Chosen

Figure 7: Register



The image shows a 'Log in' form within a light gray container. The form is white with rounded corners. At the top, it has a title 'Log in'. Below the title, there are two input fields: 'Username' and 'Password'. A blue 'Submit' button is positioned below the password field. At the bottom, there is a link 'Don't have an account?' followed by a 'Register' button.

**Log in**

Username

Password

Don't have an account?

Figure 8: Login

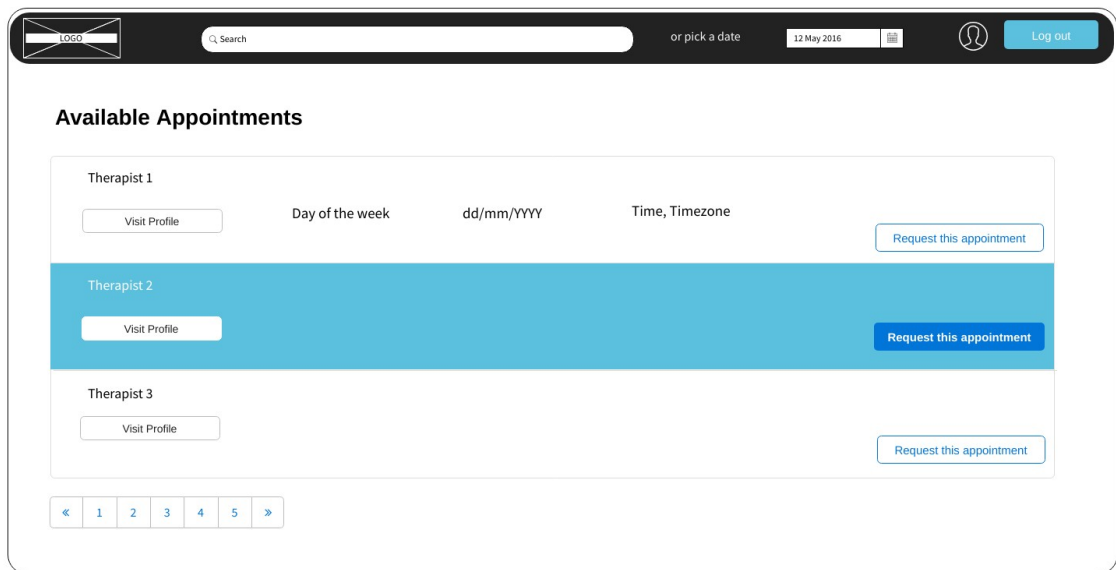


Figure 9: Home Page

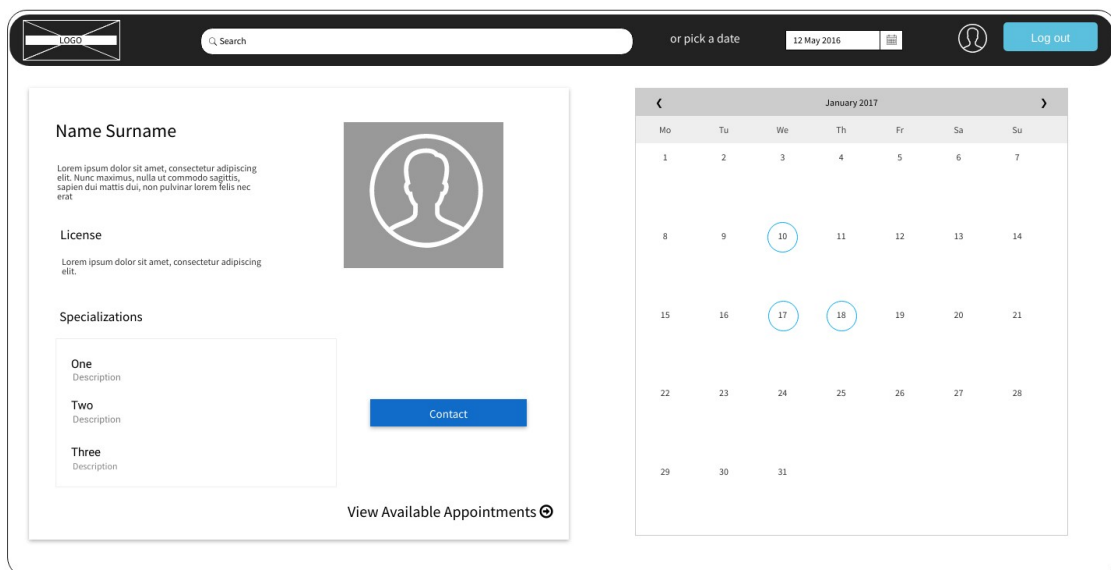


Figure 10: Therapist Account Details

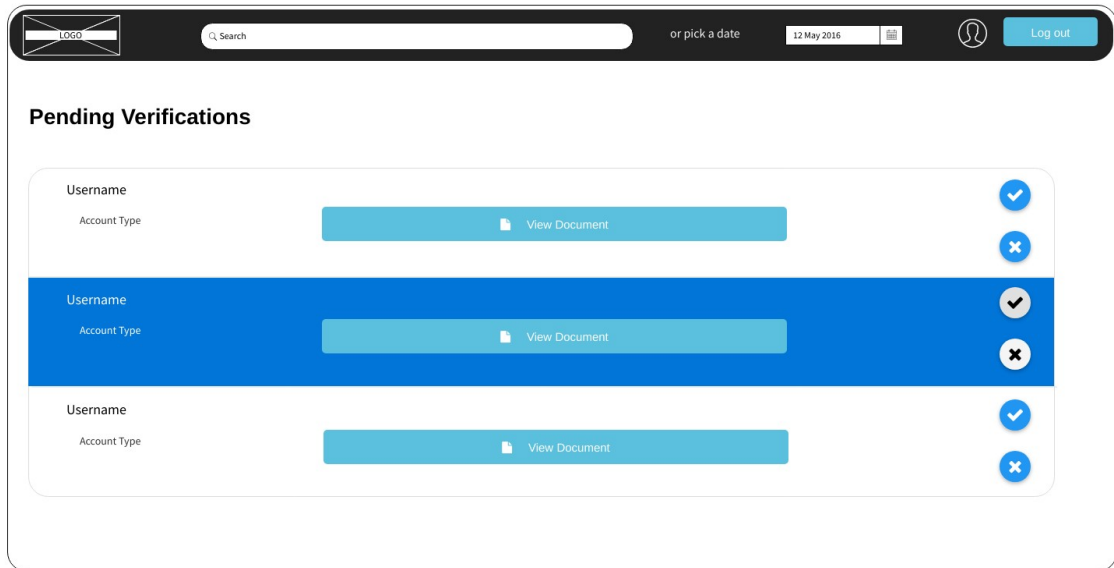


Figure 11: Administrator View

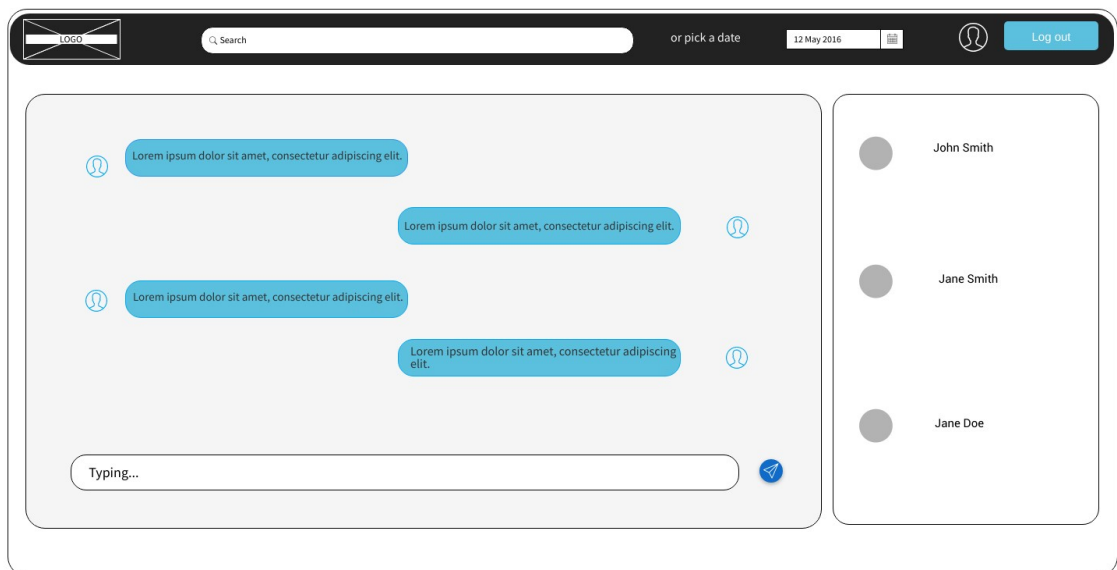


Figure 12: Messaging Interface



## 5 API Connections

1. **Sign in/log in integration** → Initially, both therapists and students are able to register via their Google Accounts, Facebook, Apple ID or just using email. They can use all of the previously mentioned for easy log in as well after creating the account.
2. **Scheduling appointments** → When an appointment is scheduled, the users have the opportunity to connect their Google Calendar, and automatically add the appointment on it.
3. **Online calls** → For the actual appointments, our application allows the option of using Zoom, where after a meeting is scheduled, both parties receive a Zoom link for the call, with specified information (call id, password, the exact time in their time zone..)
4. **Email** → Email integration is used in many parts of our application, from sign up/login to receive notifications if something has changed about their appointments, and receiving receipts about their payments. If the system admin, in the verification progress, need additional information, they send a message to the user via ur application, which sends the same notification to the user to their email.
5. **Payments** → For secure and easy payments, Therapy corner provides multiple options: payment by card, bank transfer, PayPal, Apple Pay, and Google Pay.
6. **Verification process** → As the system admin needs to verify the students and the therapists, they need to use external verification to do so. The system admin needs access to the University's system (limited access only, where they can enter the student's name and enrollment id, and they can see if that student is enrolled at the university or not). The system admin also needs access to the public registry with therapist licenses, where they can verify if the submitted license is valid or not.
7. **Social Media** → every brand/company needs to promote its product, advertise its services, and the easiest way to do so is by using social media. Instagram, Facebook, Twitter, TikTok are part of our advertising, and Therapy corner has an official account on all of these platforms.
8. **Advertisement** → our system uses Google Ads to promote itself to the target audience, and to have a higher appearance on the search list.

# Summary of Comments

## Page 3

Number: 1 Date: 2021-12-09 23:42:33 Author: Suleyman Gbl

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Wouldn't it be better if login also include register?

Number: 2 Date: 2021-12-09 23:42:41 Author: Suleyman Gbl

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What is the difference between regular account and other accounts?

Number: 3 Date: 2021-12-09 23:42:50 Author: Suleyman Gbl

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Wouldn't it be better if you write that what is ldap?

## Page 4

Number: 1 Date: 2021-12-09 23:43:14 Author: Suleyman Gbl

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Instead of using numbers on alternative flow, wouldn't it be better if basic flow letters also used on alternative flow? (use clearer index for addressing the flows)

## Page 5

Number: 1 Date: 2021-12-09 23:43:27 Author: Suleyman Gbl

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Instead of using numbers on alternative flow, wouldn't it be better if basic flow letters also used on alternative flow?

## Page 6

Number: 1 Date: 2021-12-09 23:43:37 Author: Suleyman Gbl

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Wouldn't it be better if use case description had an article name?

Number: 2 Date: 2021-12-09 23:43:48 Author: Suleyman Gbl

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Instead of using numbers on alternative flow, wouldn't it be better if basic flow letters also used on alternative flow?

## Page 10

Number: 1 Date: 2021-12-09 23:44:01 Author: Suleyman Gbl

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What is the reason that you didn't put end symbol in this activity diagram?

## Page 13

Number: 1 Date: 2021-12-09 23:44:13 Author: Suleyman Gbl

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Why wireframe login page has latin writing?

## 4. Summary

We really liked their project idea and their Software Requirements Specifications. We don't think the specifications needs to be corrected. They did it well.

