



# **South Valley University Faculty of Computers and Information**

**Graduation Project** 



#### **Tradof**

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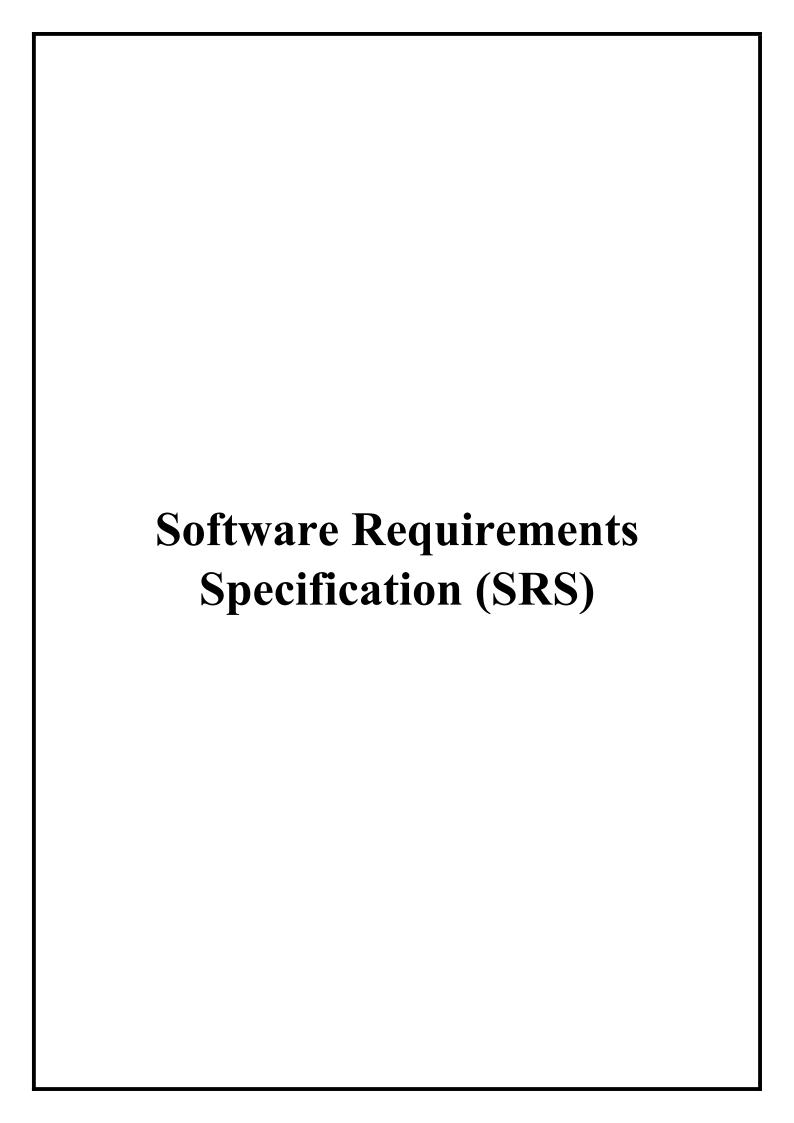
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# **Revision history**

Date	Version	description	Author
25/12/2024	1.0	SRS 0.1	Tradof Team

### 1. Introduction

#### 1.1 Document Purpose

The purpose of this document is to specify the functional and non-functional requirements of the project management system for translation services. It aims to be a reference for developers, testers, and stakeholders to understand the system's behavior and capabilities clearly.

#### 1.2 Product Scope

The product is a web and mobile application designed to facilitate translation project management. It caters to companys, freelancers, and administrators, offering features such as user registration, project creation, file sharing, real-time chat, and payment processing. The system streamlines the translation process, enhances communication, and provides analytics for performance evaluation.

#### 1.3 Intended Audience and Document Overview

This SRS document is intended to read by

**Software Developers:** Use the SRS as a guide for building the system's functionalities.

**Project Managers:** Oversee project progress and ensure alignment with the requirements.

**companys:** Request translation services and manage projects via the application.

**Freelancers:** Utilize the platform to receive and complete assigned tasks.

**Admins:** Manage user roles and oversee overall platform operations.

Quality Assurance (QA) Team: Design test plans and validate that the application meets specified requirements.

**Technical Writers:** Create user manuals and documentation based on the system's features.

**Overview:** This document covers the functional requirements, use case diagrams, and detailed descriptions of the main components, including project management, user handling, payment system, and reporting features.

#### 1.4 Definitions, Acronyms and Abbreviations

**SRS:** Software Requirement Specification

IEEE Format: Format designed by Institute of Electrical and Electronics Engineers

for a software requirement document

**OTP:** One-Time Password

**ID:** Identifier

**UI:** User Interface

**API:** Application Programming Interface

**QA:** Quality Assurance

#### 1.5 Document Conventions

This document will use IEEE format. For clarity, acronyms and technical jargon, deemed uncommon by the author, will be included in the glossary. The format for headings is as followed: Major headings are in bold 18 pt font, and concurrent headings in bold 14 pt. font.

#### 1.6 References and Acknowledgments

Standard SRS templates and guidelines from IEEE standards for software documentation.

# 2. System Environment

### **Tradof System**

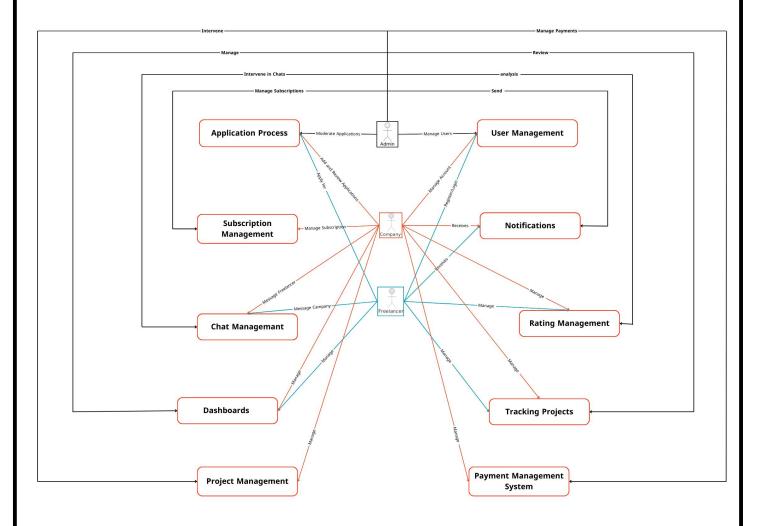


Figure 2.1 System Environment Diagram

# 3. Overall Description

#### 3.1 Product Overview

The project management application is a centralized platform designed for companies and freelance translators to collaborate efficiently. Companies can create translation projects, assign freelancers, track progress, and manage payments, while freelancers can apply to projects, manage their tasks, track their earnings, and receive feedback. The platform includes dashboards and reports tailored to each user type—companies, freelancers, and administrators—facilitating real-time updates, transparent communications, and streamlined project management.

#### The system aims to:

- Simplify the translation project life-cycle, from initiation and assignment to completion and payment.
- Provide a transparent workspace for freelancers and companies to track tasks, deadlines, feedback, and performance.
- Ensure secure and efficient handling of project files, payments, and feedback.
- Enable platform administrators to monitor system health, user engagement, and financial activities.

#### 3.2 Product Functionality

The key functions of the platform are as follows:

#### 3.2.1 Project Management

**Project Creation:** Companies can create new projects with specifications (languages, skills), deadlines, and budgets.

**Project Assignment:** Projects are assigned to freelancers based on qualifications and availability.

**Progress Tracking:** Tracks real-time status and milestones of ongoing projects.

Quality Assurance & Approval: Allows for feedback and revisions before final approval.

**Completion & Payment:** Marks projects as complete and initiates payment processing.

#### 3.2.2 User Management

**Registration & Authentication:** Users register, verify their identity, log in, and manage passwords.

**Role Management:** Admins assign roles to users (company/Company, Freelancer, Admin).

**Profile Management:** Users can view and edit their personal information. Subscription Management

**Plan Configuration:** Admins configure subscription plans, setting features and usage limits.

**Subscription Analytics:** Provides insights into active subscriptions, revenue, and Compiny retention.

#### 3.2.3 Dashboard & Reporting

**Company Dashboard:** Displays project summaries, payment status, and performance analytics.

**Freelancer Dashboard:** Summarizes active, completed, and pending projects, earnings, and feedback.

**Admin Dashboard:** Provides a platform-wide view of project statuses, user engagement, and revenue metrics.

**Reports:** Generates detailed reports on financials, project performance, freelancer ratings, and system health.

#### 3.2.4 Payment Management

**Invoice Generation:** Creates invoices upon project completion and handles payments.

**Refund Requests:** Enables users to request refunds for unsatisfactory services.

#### 3.2.5 Chat and Notifications

Messaging: Real-time chat for direct communication.

**Notifications:** Alerts users about new messages, project updates, and payment actions.

#### 3.3 Design and Implementation Constraints

#### 3.3.1 Web Application and Mobile Application

The system should be a web application and a mobile application.

#### 3.3.2 Software Limitations

- The system must use both SQL and NoSQL databases.
- Frameworks to be used: Microsoft .NET Framework 6, Node.js v23.2.0, React.js v19, and Flutter.

#### 3.3.3 Programming Language Limitation

- The C# language must be used for developing components related to the .
- NET Framework, utilizing Microsoft Visual Studio 2017.
- JavaScript must be used for developing components related to Node.js and React.js.
- Dart must be used for developing components related to Flutter.

#### 3.3.4 Timing Constraints

System should be developed completely in 3 Months.

#### 3.4 Assumptions and Dependencies

#### 3.4.1 Assumptions:

- The code should be free with compilation errors/syntax errors.
- The product must have an interface which is simple enough to understand.

#### 3.4.2 Dependencies:

- All necessary hardware and software are available for implementing and use of the tool.
- The proposed system would be designed, developed and implemented based on the software requirements specifications document.

# 4. System Features

#### F1: Project Management

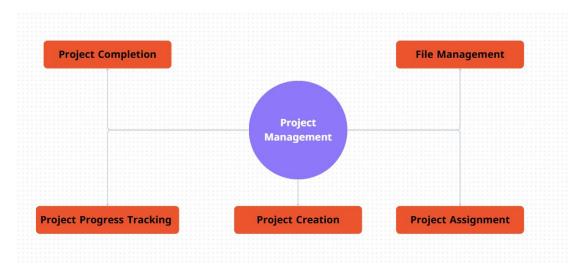


Figure 4.1 Project Management Context Diagram

### 1. Project Creation

#### **Description**

Allows Company to create a new project with detailed specifications, deadlines, and budget constraints for freelancers.

#### Input

Project title, description, deadline, budget, required Language pair, and Attachment files.

#### Output

Project ID, project details, and confirmation of successful creation.

#### 2. Project Assignment

#### **Description**

Assigns projects to available freelancers based on their skillset and availability.

#### Input

Project ID, freelancer ID.

#### Output

Assignment confirmation, freelancer notifications.

#### 3. File Management

#### **Description**

Manages project files, allowing users to upload, access, organize, and share files. Includes batch file upload for multiple files at once. **Batch File Upload:** Allows users to upload multiple files to a project in one action.

#### Input

Project ID, files (multiple file upload).

#### Output

List of uploaded files with details, file organization and sorting options, download and share links.

#### 4. Project Progress Tracking

#### **Description**

Tracks the ongoing status of the project, milestones achieved.

#### Input

Project ID.

#### Output

Real-time project status, progress percentage.

#### 5. Project Completion

#### **Description**

Marks a project as complete, generates a payment summary, and processes payment to freelancers.

#### Input

Project ID, completion confirmation, payment information.

#### Output

Payment summary, payment confirmation, and project closure notification.

### F2: User Management

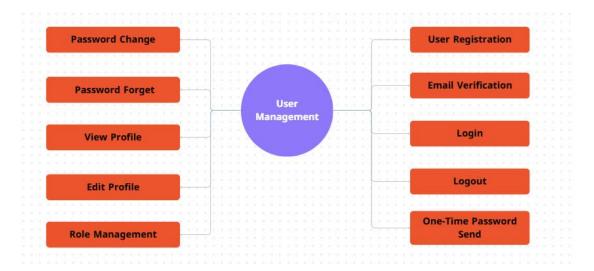


Figure 4.2 User Management Context Diagram

#### 1. User Registration

#### Description

Registers a new user in the system with necessary details and assigns a role.

#### Input:

- Role: Role type (Super Admin, Admin, Company Employee, Company Admin, Freelancer)
- FirstName
- LastName
- PhoneNumber
- Username
- Email
- Password
- Confirm Password
- Details data based Role
  - If it was a role freelancer
    - Gender
    - Work Experience

- Social Media
- ◆ Specialization
- ◆ Language Pair

#### ■ If it was a role Company

- ◆ Languages
- ◆ Job Title
- ◆ Created Date
- ◆ Country
- ◆ Specialization
- Company User Type

#### Output:

Confirmation message indicating successful registration or error.

#### 2. Email Verification

#### Description

Verifies the email of a newly registered user to confirm authenticity.

#### Input:

Email: Identifier of the user.

#### Output:

Message indicating email verification success or error.

#### 3. Login

#### Description

Authenticates a user based on email and password, initiating a session.

#### Input:

Email: Identifier for the user.

Password: Password to verify the user.

#### Output:

Confirmation of successful login and session token, or an error message.

#### 4. Logout

#### Description

Ends the user's session and logs them out of the system.

#### Input:

UserID: Identifier for the user.

#### Output:

Confirmation message indicating successful logout.

#### 5. One-Time Password Send

#### Description

Allows users to receives the OTP for Change or Reset Password.

#### Input

Email: Email associated with the user's accoun.

#### Output

The OTP Messgae in Email are Sent consists of 6 Numbers.

#### 6. Password Change

#### Description

Allows users to Change their password if has CurrentPassowrd.

#### Input

- CurrentPassword
- NewPassword
- ConfiremNewPassword

#### Output

Confirmation of successful Password Changed, or an error message.

#### 7. Password Forget

#### Description

Allows users to reset their password if forgotten or compromised.

#### Input

Email and NewPassword and OTP.

#### Output

Confirmation of successful Password Reset, or an error message like OTP Not Correct.

#### 8. View Profile

#### Description

Retrieves and displays a user's profile information

#### Input

UserID: Identifier for the user.

#### Output

User profile details, including name, role, Phone, etc.

#### 9. Edit Profile

#### Description

Allows a user to edit their profile information.

#### Input

- UserID: Identifier for the user.
- ProfileData: Data containing fields the user wants to update (e.g., name, phone, address).

#### **Output**

Confirmation message indicating success or error.

#### 10. Role Management

#### Description

For Admin Assigns or updates a user's role to define their permissions.

#### Input

- UserID: Identifier for the user.
- NewRole: New role to be assigned (Freelancer, company).

#### Output

Confirmation message indicating role assignment success or error.

### F3: Admin Subscription Management



Figure 4.3 Admin Subscription Management Context Diagram

#### 1. Subscription Plan Configuration Panel

**Description :** Allows admins to create, edit, and remove subscription plans with customization features and usage limits.

Input: Plan name, Features, Price, Duration, Usage limits.

**Output:** Subscription plan ID, confirmation of plan creation or update, and status (active/inactive).

#### 2. Subscription Overview & Management

**Description:** Provides a comprehensive view of company subscriptions with options to manage and override automation when necessary.

**Input:** Company ID (optional for specific searches), Subscription filters (e.g., active, expired).

**Output:** Filtered list of subscriptions, details on individual plans, override actions for activation or renewal.

### F4: Apply Process

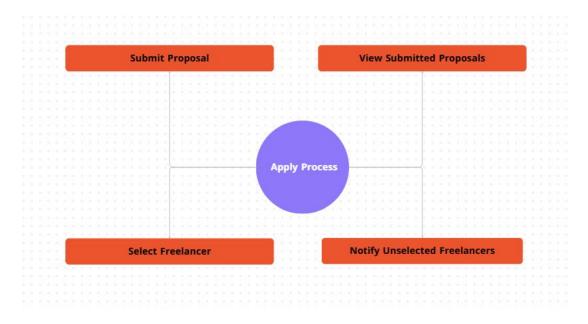


Figure 4.4 Apply Process Context Diagram

#### 1. Submit Proposal

**Description:** Freelancers submit a proposal for a translation project, including details such as pricing, time estimates, and any additional notes.

#### Input:

- Freelancer ID
- Project ID

 Proposal details (price, estimated completion time, additional comments)

#### **Output:**

- ✓ Confirmation of proposal submission
- ✓ Updated project status to "Proposal Submitted"

#### 2. View Submitted Proposals

**Description**: The company can view all the submitted proposals from freelancers interested in the project, comparing details like price, time estimates, and ratings.

#### Input:

- Company ID
- Project ID

#### Output:

✓ List of submitted proposals with freelancer details, prices, and timelines

#### 3. Select Freelancer

**Description**: The company selects the most suitable freelancer for their project based on the submitted proposals, finalizing the selection process.

#### Input:

- Company ID
- Project ID
- Selected Freelancer ID

#### Output:

- ✓ Confirmation of freelancer assignment
- ✓ Project status updated to "In Progress"
- ✓ Notification to the selected freelancer

#### 4. Notify Unselected Freelancers

**Description:** Automatically notify all freelancers who were not selected for the project, thanking them for their interest and informing them that the project has been assigned to someone else.

#### Input:

- Project ID
- List of Freelancer IDs (unselected)

#### Output:

✓ Email or in-app notification sent to unselected freelancers

### F5: Dashboards

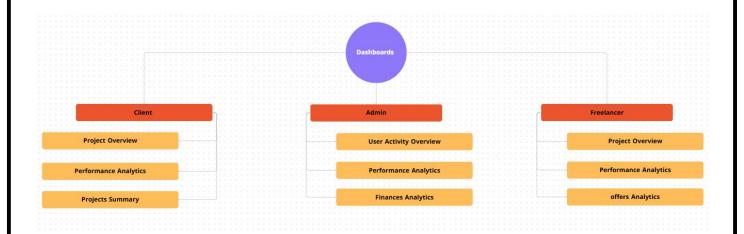


Figure 4.5 Dashboard Context Diagram

#### 1. company

#### 1. Project Overview

**Description:** Displays a detailed view of all ongoing, pending, and completed project.

#### Inputs

• Project ID : Identifier for the Project.

#### **Output:**

- ✓ Projects Detailed
- ✓ Freelance Detailed

- ✓ Chatting with Freelancer
- √ workspace

#### 2. Performance Analytics

**Description:** Provides analytics on counter of projects in month.

#### Inputs:

• Company ID: Identifier for the company.

#### **Output:**

✓ Graphs and charts displaying projects in month.

#### 3. Projects Summary

**Description:** Provides an overview of all start and upcoming projects.

#### Inputs:

• Company ID: Identifier for the company.

#### **Output:**

✓ list of all start and upcoming projects.

#### 2. Admin

#### 1. User Activity Overview

**Description:** Shows user activity levels, including companies and freelancers engaged on the platform.

#### Input:

None (data pulled from the database)

#### **Output:**

- ✓ Total number of active companies and freelancers.
- ✓ Engagement metrics (e.g., logins, actions taken).
- ✓ Comparison of activity levels over time.
- ✓ Visual representation of revenue trends over time.

#### 2. Performance Analytics

**Description:** You will receive statistics such as the number of projects, the number of freelancers, the number of partnerships, and other statistics.

#### Input:

None (data pulled from the database)

#### **Output:**

✓ Graphs and charts displaying all of statistics.

#### 2. Finances Analytics

**Description:** View project financial statistics.

#### Input:

None (data pulled from the database)

#### **Output:**

✓ Mind maps to display financial statistics, subscriptions and their details.

#### 3. Freelancer

#### 1. Project Overview

**Description:** Displays a detailed view of all ongoing, pending, and completed project.

#### Input

• Project ID : Identifier for the Project.

#### Output

- ✓ Projects Detailed
- ✓ Project Card
- ✓ Owner Detailed
- ✓ Chatting with Owner
- ✓ Workspace

#### 2. Performance Analytics

**Description:** Provides analytics on status of projects .

#### Input:

• Freelancer ID: Identifier for the Freelancer.

#### **Output:**

✓ Graphs and charts displaying status of projects .

#### 3. offers Analytics

**Description:** Provides analytics on offers of projects in month.

#### Inputs:

• Freelancer ID: Identifier for the Freelancer.

#### **Output:**

✓ Graphs and charts displaying offers of projects in month.

# **F6: Notification Management**



Figure 4.6 Notification Management Context Diagram

#### 1. Freelancer Notification

**Description:** Show all alerts regarding technical support, offers provided on projects, a message from the project owner, and a message regarding delivery or tasks.

#### Inputs:

• Freelancer ID: Identifier for the Freelancer.

#### **Output:**

✓ View details Alerts

#### 2. Admin Notification

**Description:** Show all technical support alerts and monthly reports.

#### Inputs:

No Data

#### **Output:**

✓ View details Alerts

#### 3. company Notification

**Description:** Show all alerts related to technical support, project offers, message from freelancer owner, message regarding delivery or tasks and monthly reports.

#### Inputs:

• company ID: Identifier for the company.

#### **Output:**

✓ View details Alerts

# F7: Tracking Projects



**Figure 4.7 Tracking Projects Context Diagram** 

#### 1. Work Project

**Description:** After the freelancer selects the appropriate offer, the project enters the work or planning phase.

#### Inputs:

- Project ID
- Freelancer ID

#### **Output:**

✓ Show working stage

#### 2. Review Project

**Description:** The freelancer requests a review of his work on the project by the company and the company begins to review his work.

#### Inputs:

- Project ID
- Freelancer ID

#### **Output:**

✓ Work review phase completed

#### 3. Finish Project

**Description:** After reviewing the work, the company moves to the project completion stage..

#### Inputs:

- Project ID
- Freelancer ID

#### **Output:**

✓ The project is completed and the project funds are transferred to the freelancer.

# F8: Rating System



Figure 4.5 Rating System Context Diagram

#### 1. Submit Rating by company

**Description:** After a project is completed, the user can submit a rating (1-5 stars) and a review for the freelancer.

#### Input:

- Company ID: Identifier for the user submitting the rating.
- Freelancer ID: Identifier for the freelancer receiving the rating.
- Rating: Numeric value (1-5 stars).
- Review: Written feedback from the user.

#### **Output:**

✓ Confirmation message indicating success or error.

#### 2. Submit Rating by Freelancer

**Description:** After the project is completed, the freelancer can submit a rating for the user based on their experience.

#### Inputs:

- Freelancer ID: Identifier for the freelancer submitting the rating.
- Company ID: Identifier for the user receiving the rating.
- Rating: Numeric value (1-5 stars).
- Review: Written feedback from the freelancer.

#### **Output:**

✓ Confirmation message indicating success or error.

#### 3. View Ratings

**Description:** Displays the average rating and all reviews for a specific freelancer or specific company .

#### Inputs:

Freelancer ID or Company ID .

**Output:** A list of ratings and reviews, along with an average rating.

### F9: Chat Management



Figure 4.9 Chat Management Context Diagram

#### 1. Initiate Chat

**Description:** Allows a user to start a conversation with another user based on their roles (e.g., freelancer, project manager).

Input: Sender ID, Receiver ID, Message Content

Output: Chat session initiated with confirmation message.

#### 2. Send Message

**Description:** Enables a user to send a message within an active chat session.

Input: Sender ID, Message Content, Receiver ID

Output: Message sent successfully, notification status.

#### 3. Receive Message

**Description:** Receives and displays a message in the user's chat window in real-time.

Input: Receiver ID, Sender ID

Output: Message displayed in chat with timestamp.

#### 4. View Chat History

**Description**: Allows users to view past messages within a chat session.

Input: Receiver ID, Sender ID

Output: Display of chat history with timestamps.

#### 5. Add Attachment

Description: Allows users to attach and send files (e.g., PDFs, images) in the

chat.

Input: Receiver ID, Sender ID, File Attachment

Output: File uploaded and sent in chat.

#### 6. Notification Alerts

**Description:** Sends a notification when a new message arrives .

Input: Receiver ID, Sender ID, Notification Type

**Output:** Notification sent to the user's device.

### F10: Payment Management System

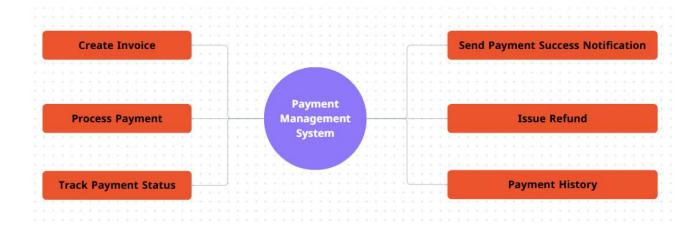


Figure 4.10 Payment Management Context Diagram

#### 1. Create Invoice

**Description:** Automatically generates an invoice for a completed project, detailing the amount to be paid by the user to the freelancer.

#### Inputs:

- Project ID: Identifier for the completed project.
- Freelancer ID: Identifier for the freelancer who completed the project.
- Total Amount: The total amount the user needs to pay.

#### Output

✓ A generated invoice in a downloadable format (e.g., PDF).

#### 2. Process Payment

**Description:** Handles the transaction of funds from the user to the freelancer via a secure payment gateway.

#### Inputs:

- Invoice ID: Identifier of the invoice.
- Payment Method: Selected payment method (e.g., credit card, PayPal).
- Amount: The payment amount.

**Output:** Confirmation of a successful or failed payment transaction.

#### 3. Track Payment Status

**Description**: Tracks whether the payment has been made, is pending, or has failed.

#### Inputs:

Invoice ID: Identifier for the invoice being tracked.

Output: Current status of the payment (Paid, Pending, Failed).

#### 4. Send Payment Success Notification

**Description:** Sends a notification to both the freelancer and user after a payment is successfully processed.

#### Inputs:

- Invoice ID: Identifier of the related invoice.
- User ID and Freelancer ID: Identifiers for the recipients.

Output: Notification sent to both parties confirming successful payment.

#### 5. Issue Refund

**Description:** Allows users to request refunds if the service provided does not meet expectations.

#### Inputs:

- Project ID: Identifier for the project.
- Refund Reason: Explanation for why a refund is being requested.

Output: Confirmation of refund status (Approved, Denied).

#### **6. Payment History**

**Description :** Displays a detailed history of all financial transactions for both users and freelancers.

#### Inputs:

• User ID or Freelancer ID: Identifier of the user or freelancer.

**Output:** List of past payments, including amounts, dates, and statuses.

# 5. Other Nonfunctional Requirements



Figure 5.1 Other Non-functional Diagram

#### 1. Performance Requirements

- **1. System Response Time:** The Tradof platform should respond to user actions (e.g., page loading, form submission, project creation) within 2 seconds under normal operating conditions.
- **2. Scalability:** The system should be able to handle an increase in concurrent users, supporting at least 500 users without performance degradation.
- **3. Data Processing Speed:** Importing or exporting data (e.g., project files, company databases) should complete within 5 seconds for files up to 50 MB.
- **4. Database Performance:** Queries and database transactions must complete within 1 second, ensuring that search and filter operations on projects, companys, and freelancers are efficient.

#### 2. Safety and Security Requirements

- **1. User Authentication and Authorization:** Tradof must use a secure authentication mechanism (e.g., OAuth 2.0, JWT) to verify users and ensure that data access permissions are strictly enforced based on user roles (e.g., admin, project manager, company).
- **2. Data Encryption:** All sensitive data, including company information, project details, and financial transactions, must be encrypted both at rest (AES-256) and in transit (TLS 1.2 or higher).
- **3. Data Backup and Recovery:** Automated daily backups of all critical data must be stored securely off-site. In case of system failure, a full data recovery must be achievable within 1 hour.

- **4. Audit Logging:** All user actions related to data modifications, access to sensitive information, and system errors should be logged. These logs should be accessible only to administrators and stored for at least one year.
- **5. Account Locking and Intrusion Detection:** After five failed login attempts, the user account should be temporarily locked, and an alert sent to the account owner's registered email. Unusual access patterns (e.g., frequent logins from different IPs) should trigger alerts to the security team.

#### 3. Software Quality Attributes

- **1. Usability:** The platform should have an intuitive interface with clear navigation, ensuring that new users can perform essential actions (e.g., project setup, freelancer assignment) without extensive training.
- **2. Reliability:** The system must have an uptime of at least 99.9% to ensure continuous access for users, especially in high-traffic periods or critical deadlines.
- **3. Maintainability:** The codebase should be modular and well-documented to allow efficient updates, bug fixes, and the addition of new features without disrupting existing functionality.
- **4. Extensibility:** The architecture should support the easy addition of new modules or integrations (e.g., third-party translation tools or payment gateways) with minimal refactoring.
- **5. Interoperability:** Tradof should support integrations with external tools commonly used in translation and project management, such as CAT tools, accounting systems, and CRM platforms, through APIs.
- **6. Accessibility:** The platform should comply with WCAG 2.1 Level AA standards to ensure accessibility for users with disabilities, including screen reader compatibility and keyboard navigation.

## 6. Oher Services

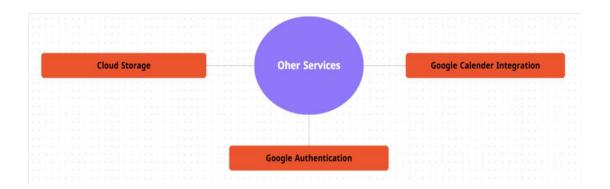


Figure 6.1 Other Services Diagram

#### 1. Cloud Storage

Cloud storage is an essential service that enables users to securely store, manage, and access data over the internet. It offers scalability, allowing storage capacity to grow with user needs.

#### Key benefits:

- Accessibility: Access files from anywhere on any device with an internet connection.
- Security: Advanced encryption and secure login mechanisms protect user data.
- Collaboration: Facilitates real-time collaboration by sharing files with teams or Companys.
- Cost-effectiveness: Pay-as-you-go pricing eliminates the need for large upfront investments.

#### 2. Google Calender Integration

Google Calendar Integration allows applications to interact seamlessly with Google Calendar, providing users with advanced scheduling and event management features. By leveraging Google Calendar APIs, apps can:

- Create and manage events: Schedule meetings, set reminders, and invite attendees.
- **Real-time synchronization:** Ensure updates are reflected across devices and platforms.
- Notifications: Send timely alerts for upcoming events or changes to schedules.
- **Custom workflows:** Automate scheduling based on specific triggers or actions within the app.

## 7. External Interface Requirements (User interface)

#### 1. User Interfaces

#### 1. Login Screen:

- 1. A simple screen that includes:
  - 1. Fields to input username and password.
  - 2. A "Login" button.
  - 3. A link for "Create a New Account" for both translators and companies.
  - 4. Error messages displayed in case of incorrect input.

#### 2. Note:

1. The available screens and options may vary depending on the user's role (translator or company).

### 2. company Interface:

#### 1. New Translation Project Form:

- 1. Text fields for entering project details:
  - 1. Project name.

Source language and target language.

Content field (Legal, Medical, Marketing, etc.).

Deadline.

- 2. **Auto-generated field:** A unique project ID is automatically generated.
- 3. 3. "Post Project" button.

#### 2. Project Management Screen:

#### 1. table displaying:

- 1. A list of current projects (status: In Progress, Completed, Awaiting Approval).
- 2. Buttons to edit or cancel a project.

#### 2. "View Details" button:

- 1. Displays a list of translators who have applied for the project.
- 2. Allows the company to accept a bid or communicate with the translator.

#### 3. Invoice Generation Form:

- 1. Fields to enter:
  - 1. Project ID.
  - 2. Translator fees.
  - 3. Additional charges (e.g., printing fees).
- 2. "Generate Invoice" button.

#### 3. Freelancer Interface:

#### 1. Apply for a New Project Screen:

- 1. A table displaying available projects.
- 2. An "Apply" button next to each project.
- 3. The application form includes:
  - 1. Proposed fee.
  - 2. Estimated delivery time.
  - 3. A message for the company.

#### 2. Project Management Screen:

- 1. A list of current projects:
  - 1. Project details (name, deadline, status).
  - 2. "Upload File" button for project submission upon completion.
- 2. Completed projects displayed with ratings and feedback.

#### 3. Profile Update Form:

- 1. Fields to edit:
  - 1. Languages.
  - 2. Specializations.
  - 3. Work experience.

4. Upload work samples.

#### 4. Admin Interface:

### A. User Management:

- 1. A table displaying all users (companies and translators).
- 2. Buttons to activate/deactivate accounts.
- 3. Search functionality by name or role.

### **B. Project Management:**

- 1. Displays all published projects.
- 2. Admin intervention options for resolving disputes.

### C. Payment Settings:

- 1. Displays all transactions between parties.
- 2. Approves withdrawal requests.

# 8. Other Requirements (Analysis Models)

## 1. Use Case diagrams

### F1: Project Management System

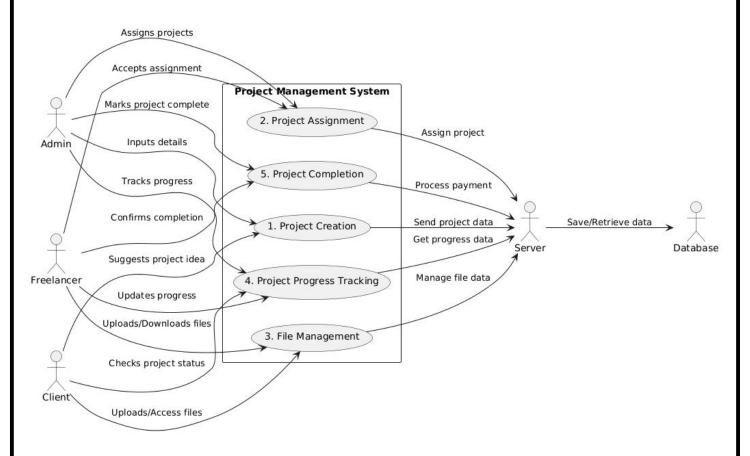


Figure 8.1 Uase Case Project Management Diagram

### F2: User Management System

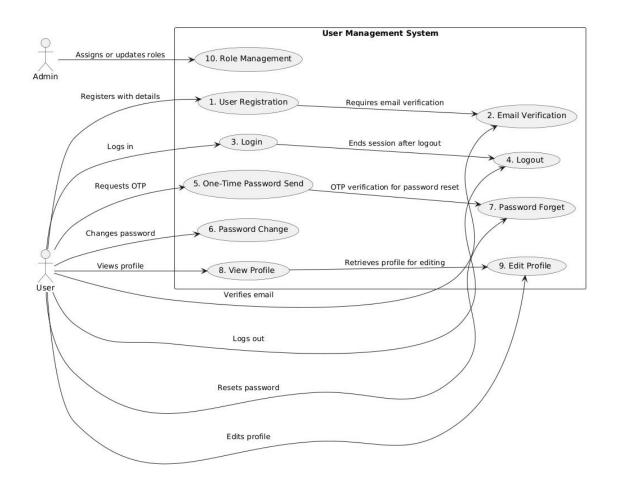


Figure 8.2 Use Case User Management Diagram

## F3: Subscription Management System

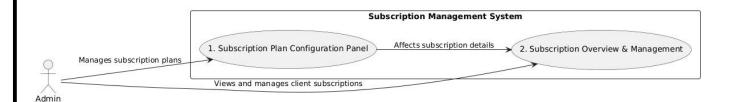


Figure 8.3 Use Case Subscription Management Diagram

### **F4: Apply Process**

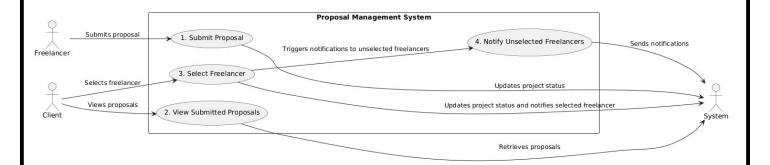


Figure 8.4 Use Case Apply Process Diagram

### F5: Dashboard

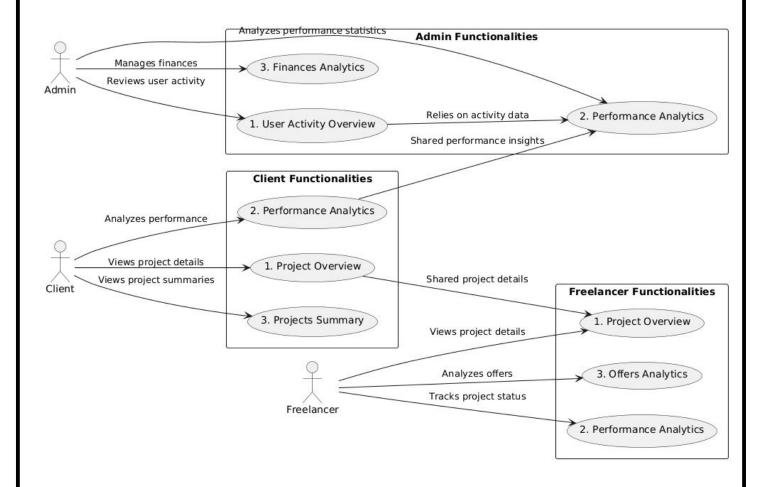


Figure 8.5 Use Case Dashboard Diagram

## **F6: Notification System**

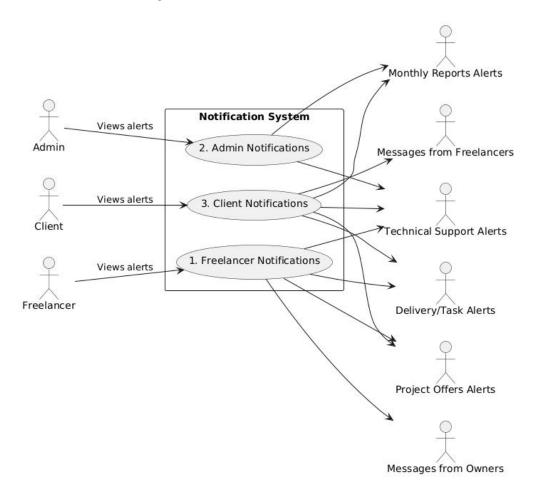


Figure 8.6 Use Case Notification System Diagram

## **F7: Tracking Projects**

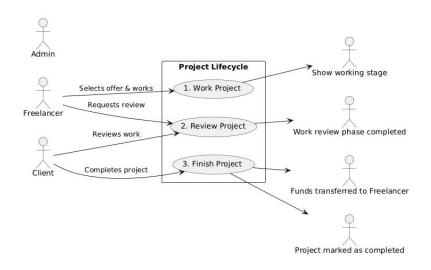


Figure 8.7 Use Case Tracking Projects Diagram

## F8: Rating System

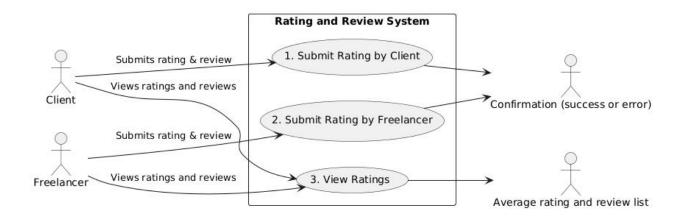


Figure 8.8 Use Case Rating System Diagram

### F9:Chat System

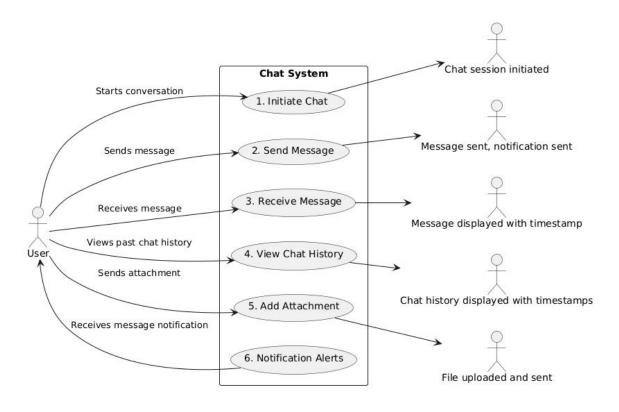


Figure 8.9 Use Case Chat System Diagram

## F10: Payment System

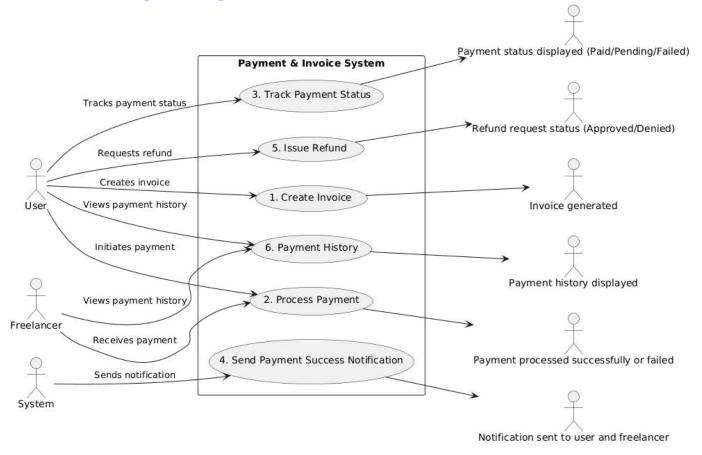


Figure 8.10 Use Case Payment System Diagram

## 2. Class diagram (Database)

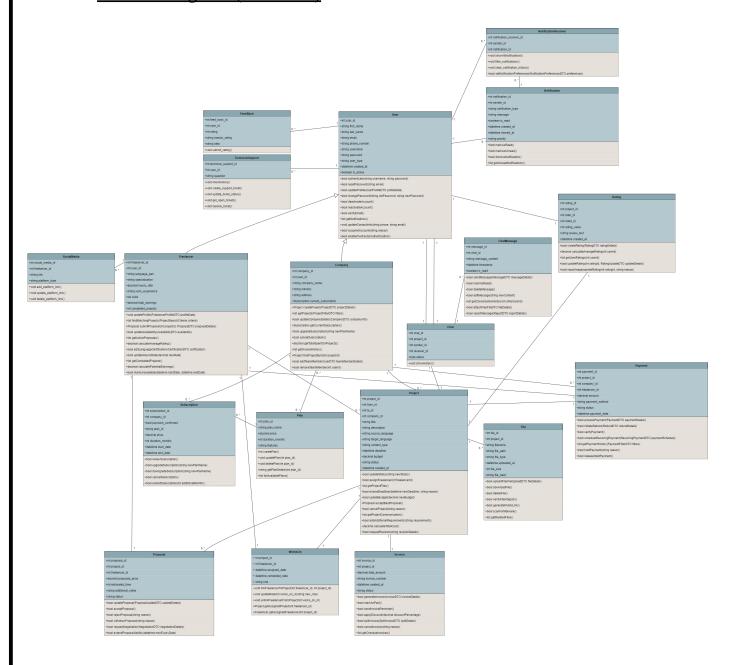


Figure 8.11 class Diagram

### 3. Architecture

### 1. Front-end (React.JS) Architecture:



Figure 8.13 Front End Architecture

### 2. Back-end (.Net)



Figure 8.14 Back-end (.Net) Architecture

### 3. Back-end (Node.JS)



Figure 8.15 Back-end (Node) Architecture

## 4. Mobile App (Flutter)



Figure 8.16 Mobile App Architecture