Feature requirements (described using use cases)

No.	User Case Name	Description	Release
1.	Audio Visual Transcription and Translation	Users can upload audio or video files to the system, requesting transcription and translation services. The system should process the media files and provide both written transcriptions and translations in the desired languages.	R1
2.	Transcribe and Translate Internal Communication	Users can input text-based internal communications (e.g., emails, messages) into the system, which will transcribe and translate the content into the requested languages, allowing employees to read and understand messages in their preferred language.	R2
3.	Request Legal Transcription and Translation	Users involved in legal discussions or negotiations can request transcription and translation services for recorded interactions. The system should ensure the confidentiality of legal documents.	R1
4.	Localization of Marketing Materials	Marketing teams can input marketing materials (e.g., advertisements, product descriptions) into the system, which will provide translations for different target markets.	R2
5.	Transcribe and Translate Performance Evaluation Meetings	Managers can upload audio or video recordings of performance evaluation meetings. The system should transcribe the discussions and provide translations, making it easier to evaluate employees from diverse linguistic backgrounds.	R1
6.	Language Learning Exercises	Language learners can use the system to practice their listening and pronunciation skills by uploading audio in the target language and receiving transcriptions and translations.	R2
7.	Collaboration in Multilingual R&D Projects	Researchers and developers can use the system to transcribe and translate discussions, brainstorming sessions, and documentation during collaborative projects involving international teams.	R1
8.	Transcribe and Translate HR Documents	Human Resources personnel can input HR documents, such as employment contracts or compliance materials, into the system to ensure they are transcribed and translated accurately for employees with different language preferences.	R2
9.	Transcribe and Translate Recorded Language Classes	Language instructors can upload recorded language classes or lessons to the system for transcription and translation. The system processes the recordings, providing transcriptions and translations in the chosen languages. This allows students to review the content and learn at their own pace, regardless of the timing of the original class.	R1
10.	Translate Customer Support Interactions	Customer support agents can use the system to translate spoken or written customer inquiries and responses to train the agent, ensuring effective communication with customers who speak different languages, in future.	R2
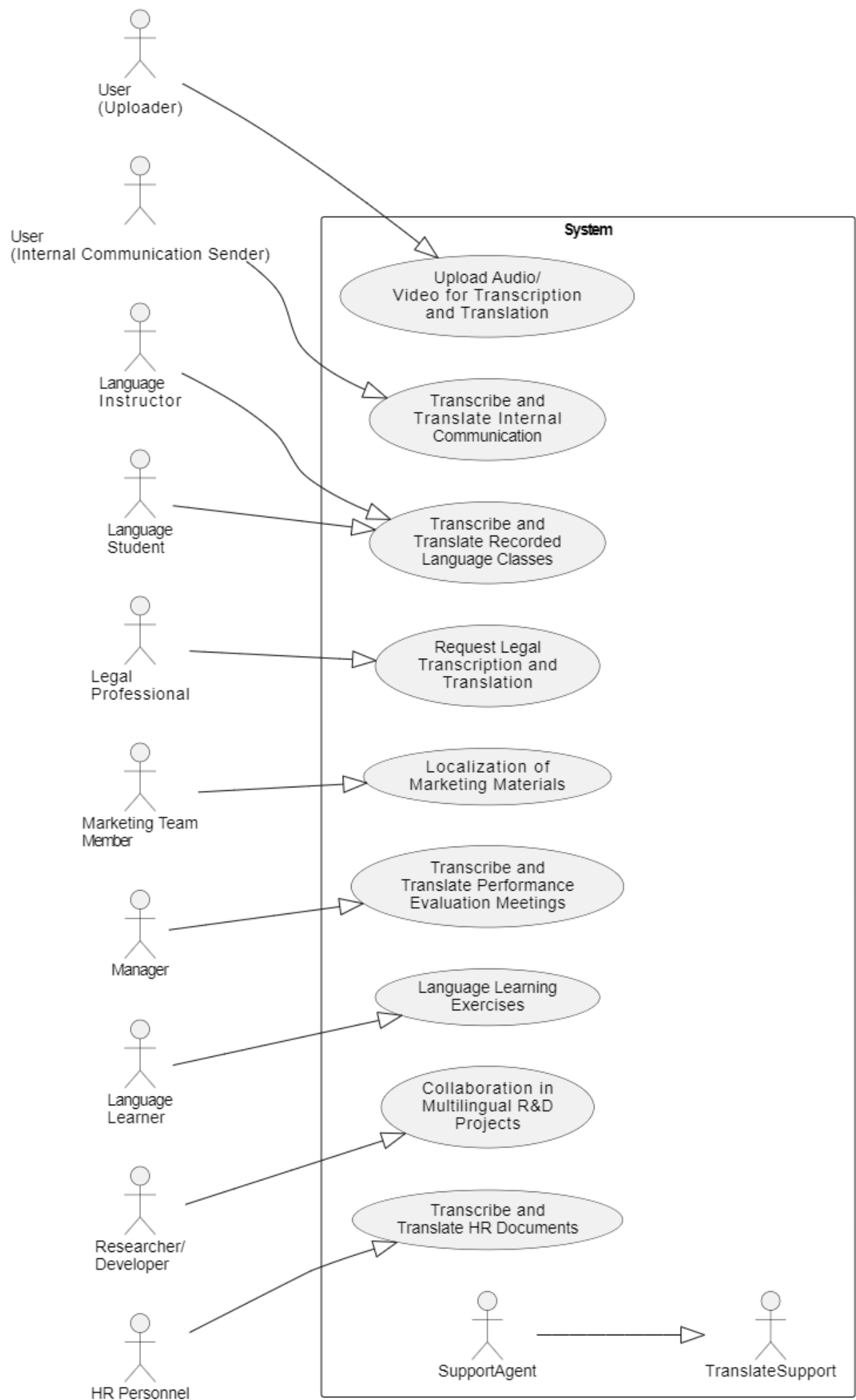
Use Case Diagram(Above)

Use case description

Use Case Number:	UC-01
Use Case Name:	Audio Visual Transcription and Translation
Overview:	Users can upload audio or video files to the system, requesting transcription and translation services. The system should process the media files and provide both written transcriptions and translations in the desired languages.
Actors:	User (Uploader) System
Pre condition:	User has access to the system. User has audio or video files ready for upload. User specifies the desired target languages for transcription and translation.

Flow:	1. User Uploads Media File:
	     a. User logs into the system.
	     b. User selects the "Upload Audio/Video for Transcription and Translation" option.
	     c. User uploads the audio or video file.
	     d. User specifies the target languages for transcription and translation.
	 2. System Processes Media File:
	     a. The system processes the uploaded media file, transcribing the content into text.
	     b. The system translates the transcribed content into the selected target languages.
	 3. User Accesses Transcription and Translation:
	     a. Once processing is complete, the user can access the transcriptions and translations of the uploaded media file.

Post Condition:	• User receives written transcriptions and translations of the uploaded media file in the selected target languages. • The system has successfully processed and provided the requested content.

Use Case Number:	UC-02
Use Case Name:	Transcribe and Translate Internal Communication
Overview:	Users can input text-based internal communications (e.g., emails, messages) into the system, which will transcribe and translate the content into the requested languages, allowing employees to read and understand messages in their preferred language.
Actors:	User (Internal Communication Sender) System
Pre condition:	User has access to the system. User inputs text-based internal communications (e.g., emails, messages) into the system. User specifies the desired target languages for transcription and translation.

Flow:	1. User Inputs Internal Communication:
	   a. User logs into the system.
	   b. User selects the "Transcribe and Translate Internal Communication" option.
	   c. User inputs the text-based internal communication content.
	   d. User specifies the target languages for transcription and translation.
	2. System Transcribes and Translates Content:
	   a. The system processes the user's input, transcribing the text and translating it into the specified target languages.
	3. User Accesses Transcription and Translation:
	   a. Once processing is complete, the user can access the transcriptions and translations of the internal communication content.

Post Condition:	User receives written transcriptions and translations of the inputted internal communication in the selected target languages. The system has successfully processed and provided the requested content.

Use Case Number:	UC-03
Use Case Name:	Request Legal Transcription and Translation
Overview:	Users involved in legal discussions or negotiations can request transcription and translation services for recorded interactions. The system should ensure the confidentiality of legal documents.
Actors:	User (Legal Professional) System
Pre condition:	User has access to the system. User has recorded interactions related to legal discussions or negotiations. User specifies the desired target languages for transcription and translation. .
Flow:	1. User Requests Legal Transcription and Translation: a. User logs into the system.

	b. User selects the "Request Legal Transcription and Translation" option.
	c. User uploads the recorded interactions related to legal discussions.
	2. System Ensures Confidentiality:
	a. The system processes the uploaded legal interactions, ensuring the accuracy and confidentiality of the legal documents.
	3. System Transcribes and Translates Content:
	a. The system transcribes the legal interactions into text.
	b. The system translates the transcribed content into the specified target languages.
	4. User Accesses Transcription and Translation:
	a. Once processing is complete, the user can access the transcriptions and translations of the legal interactions.
Post Condition:	User receives written transcriptions and translations of the recorded legal interactions in the selected target languages. The system has ensured the accuracy and confidentiality of the legal documents.

Use Case Number:	UC-04
Use Case Name:	Localization of Marketing Materials
Overview:	Marketing teams can input marketing materials (e.g., advertisements, product descriptions) into the system, which will provide translations and cultural adaptations for different target markets.
Actors:	Marketing Team Member System
Pre condition:	Marketing Team Member has access to the system. Marketing materials, such as advertisements or product descriptions, need to be adapted for different target markets. Marketing Team Member specifies the desired target languages and cultural adaptations.

Flow:	1. Marketing Team Member Inputs Materials:
	     a. Marketing Team Member logs into the system.
	     b. Marketing Team Member selects the "Localization of Marketing Materials" option.
	     c. Member inputs the marketing materials to be localized.
	     d. Member specifies the target languages.
	2. System Provides Translations:
	     a. The system processes the marketing materials and provides translations for the specified target markets.
	3. Localized Marketing Materials:
	     a. Marketing Team Member can access the localized marketing materials ready for use in different regions and languages.

Post Condition:	Marketing materials have been successfully adapted and translated for different target markets.

Use Case Number:	UC-05
Use Case Name:	Transcribe and Translate Performance Evaluation Meetings
Overview:	Managers can upload audio or video recordings of performance evaluation meetings. The system should transcribe the discussions and provide translations, making it easier to evaluate employees from diverse linguistic backgrounds.
Actors:	Manager System
Pre condition:	Manager has access to the system. There are audio or video recordings of performance evaluation meetings involving employees from diverse linguistic backgrounds. Manager specifies the desired target languages for transcription and translation.
Flow:	1. Manager Uploads Recordings: a. Manager logs into the system. b. Manager selects the "Transcribe and Translate Performance Evaluation Meetings" option. c. Manager uploads the audio or video recordings of performance evaluation meetings. d. Manager specifies the target languages for transcription and translation. 2. System Processes Recordings: a. The system processes the uploaded recordings, transcribing the discussions and providing translations in the specified target languages. 3. Easier Employee Evaluation: a. Manager can access transcriptions and translations to evaluate employees from diverse linguistic backgrounds more effectively.
Post Condition:	Manager has access to transcriptions and translations of performance evaluation meetings. Employee evaluation is facilitated for managers dealing with linguistically diverse teams.

Use Case Number:	UC-06
Use Case Name:	Language Learning Exercises
Overview:	Language learners can use the system to practice their listening and pronunciation skills by uploading audio in the target language and receiving transcriptions and translations.
Actors:	Language Learner System
Pre condition:	Language Learner has access to the system. Language Learner wants to practice listening and pronunciation skills by uploading audio in the target language.

	Language Learner specifies the desired target languages for transcription and translation.

Flow:	1. Language Learner Uploads Audio:
	   a. Language Learner logs into the system.
	   b. Language Learner selects the "Language Learning Exercises" option.
	   c. Learner uploads the audio in the target language.
	   d. Learner specifies the target languages for transcription and translation.
	2. System Provides Transcriptions and Translations:
	   a. The system processes the uploaded audio, transcribing the content and translating it into the selected target languages.
	3. Language Learning Practice:
	   a. Language Learner can practice listening, pronunciation, and comprehension using the provided transcriptions and translations.

Post Condition:	Language Learner has access to transcriptions and translations for language learning exercises. Improved language learning experience for the learner.

Use Case Number:	UC-07
Use Case Name:	Collaboration in Multilingual R&D Projects
Overview:	Researchers and developers can use the system to transcribe and translate discussions, brainstorming sessions, and documentation during collaborative projects involving international teams.
Actors:	Researcher/Developer System
Pre condition:	Researchers and developers have access to the system. Collaborative projects involve discussions, brainstorming sessions, and documentation in multiple languages. Participants specify the desired target languages for transcription and translation.

Flow:	1. Participants Upload Content:
	   a. Researchers and developers log into the system.
	   b. They select the "Collaboration in Multilingual R&D Projects" option.
	   c. Participants upload discussions, brainstorming sessions, or documentation in multiple languages.
	   d. They specify the target languages for transcription and translation.
	2. System Processes Content:
	   a. The system processes the uploaded content, transcribing discussions and providing translations in the specified target languages.
	3. Facilitated Collaboration:
	   a. Participants can collaborate more effectively by accessing transcriptions and translations in their preferred languages.

Post Condition:	Participants have access to transcriptions and translations, enhancing collaboration in multilingual R&D projects.

Use Case Number:	UC-08
Use Case Name:	Transcribe and Translate HR Documents
Overview:	Human Resources personnel can input HR documents, such as employment contracts or compliance materials, into the system to ensure they are transcribed and translated accurately for employees with different language preferences.
Actors:	Human Resources Personnel

System |
| **Pre condition:** | HR personnel have access to the system.

HR documents, such as employment contracts or compliance materials, need to be transcribed and translated for employees with different language preferences.

HR personnel specify the desired target languages for transcription and translation. |
| **Flow:** | 1. HR Personnel Inputs Documents:
   a. HR personnel log into the system.
   b. They select the "Transcribe and Translate HR Documents" option.
   c. HR personnel input HR documents requiring transcription and translation.
   d. They specify the target languages for transcription and translation.
2. System Transcribes and Translates Documents:
   a. The system processes the inputted HR documents, transcribing and translating them into the specified target languages.
3. Accessible HR Documents:
   a. HR personnel and employees can access transcriptions and translations, ensuring accurate understanding of HR materials. |
| **Post Condition:** | HR documents are available in transcribed and translated form for employees with different language preferences. |

Use Case Number:	UC-09
Use Case Name:	Transcribe and Translate Recorded Language Classes
Overview:	Language instructors can upload recorded language classes or lessons to the system for transcription and translation. The system processes the recordings, providing transcriptions and translations in the chosen languages. This allows students to review the content and learn at their own pace, regardless of the timing of the original class.

Actors:	Language Instructor Language Student
Pre condition:	Language Instructor has access to the system. Language Instructor has recorded language classes or lessons in audio or video format. Language Student has access to the system. Language Instructor and Language Student have selected the desired languages for transcription and translation.

Flow:	1. Language Instructor Uploads Recording:
	    a. Language Instructor logs into the system.
	    b. Language Instructor selects the "Transcribe and Translate Recorded Language Classes" option.
	    c. Language Instructor uploads the recorded language class or lesson.
	    d. Language Instructor specifies the target languages for transcription and translation.
	2. System Processes Recording:
	    a. The system processes the uploaded recording, transcribing the content into text.
	    b. The system translates the transcribed content into the selected target languages.
	3. Language Student Accesses Transcription and Translation:
	    a. Language Student logs into the system.
	    b. Language Student selects the specific recorded class or lesson they want to review.
	    c. The system presents the transcriptions and translations of the class/lesson in the selected languages.
	4. Language Student Reviews Content:
	    a. Language Student reads the transcribed content in their preferred language.
	    b. Language Student reviews the translations to understand the class/lesson better.
	5. Language Instructor and Student Interact:
	    a. Language Instructor and Language Student can communicate within the system to clarify doubts or seek further explanations.

Post Condition:	Language Students have access to transcriptions and translations of recorded language classes. Language Instructors can facilitate learning for students with different language preferences. Improved accessibility and flexibility for language learning, allowing students to review lessons at their own pace.

Use Case Number:	UC-10
Use Case Name:	Translate Customer Support Interactions
Overview:	Customer support agents can use the system to translate spoken or written customer inquiries and responses to train the agent, ensuring effective communication with customers who speak different languages, in future.
Actors:	Customer Support Agent System
Pre condition:	Customer Support Agent has access to the system. There is a customer inquiry or response, either spoken or written, in a language different from the agent's preferred language. Customer Support Agent specifies the desired target languages for translation.

Flow:	1. Customer Support Agent Requests Translation:
	   a. Customer Support Agent logs into the system.
	   b. Customer Support Agent selects the "Translate Customer Support Interactions" option.
	   c. Agent inputs or records the customer inquiry or response.
	   d. Agent specifies the target languages for translation.
	2. System Translates Content:
	   a. The system processes the inputted customer interaction and provides translations in the selected target languages.
	3. Effective Communication with Customers:
	   a. Customer Support Agent can communicate with potential future customers effectively by understanding and responding in their preferred language.

Post Condition:	Customer Support Agent has successfully communicated with the future customer in their preferred language. The system has facilitated language translation for effective customer support interactions.