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LingoLynx

Functional Specification

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# Introduction

This specification provides all functional and non-functional requirements for this application. The document gives detailed descriptions and diagrams, to help guide the development and testing of LingoLynx.

With the ever-growing demand for language education, LingoLynx aims to fill the gap using real-time conversational learning to correct spelling and grammar.

This functional specification outlines the website's key features and functional and non-functional requirements.

# Project Scope

## Project Objectives

This project aims to implement all features and requirements listed in this document. To create a good user experience and encourage users to want to use this website and build a habit of practising their language of choice.

## Target Audience

This project's target audience is users trying to learn a language but do not know anyone who can speak that language they can practice.

Other language applications might focus more on learning languages by learning basic words without context, it can be hard to know where to use what you learn in certain situations.

This project will be useful for people not interested in being fluent and just want to have a to learn simple phrases for travelling.

# Functional Requirements

* Real time conversation practice
* multiple difficulty levels – beginner, intermediate, advanced
* Gamification Features – points badges
* Progress Tracking and Analytics - streak
* Notifications and Reminders
* Multi-language Support

# Non-Functional Requirements

* Performance Requirements – high response speed
* Scalability - accommodate future language additions
* Security and Data Privacy - GDPR compliance for storing user data.
* Usability and Accessibility – intuitive interface
* Availability and Reliability – bot available 99% of time
* Logging - Store logs for troubleshooting

# Technologies

# Use case Diagram

# Detailed use case