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LingoLynx

Functional Specification

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# Introduction

This specification provides all functional and non-functional requirements for this application. It provides 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 who are not interested in being fluent and just want to learn simple phrases for travelling.

# Problem and Proposition

## Problem Statement

## Value Proposition

# Requirements

This section covers the website's features that are necessary for it to operate as expected and deliver a good user experience.

## Functionality

* Provide real-time conversation lessons for multiple languages and for many difficulty levels (beginner, intermediate, advanced)
* Have real-time feedback and corrections
* Track user progress
* Include gamification elements
* Provide roleplay scenarios

## Usability

* Have an intuitive interface for ease of use
* Add multiple languages for a global audience
* Supports mobile and desktop use
* Provide reminders and notifications

## Reliability

* Ensure the bot is available 99% of the time
* Back up data and log errors

## Performance

* Keep responses under 2 seconds

## Security

* Ensure user data is private and protected.

# Technologies

# Use case Diagram

# Detailed use case