Saira Kahn

Matt Curto

Chris Gallicchio

*The Coffee Coders*

*Lingua Leap* Requirements Document Draft

# Introduction

The purpose of this document is to describe the system requirements for the use of the LINGUA LEAP app. In this document you will find a summary of functional requirements and diagrams outlining the utilities of our app. The class diagram contains system objects and attributes. The use case diagram shows all uses for our app. Use case scenarios will show full descriptions for each use case in our system. System sequence will show sequences for each use case.

# Description Model

Using text, describe the requirements for your system. Expand on the function section from your project plan. Include requirements for the following categories: Output, Input, Processes, Performance and Security.

1. Output since this is going to be a mobile application, any android or iPhone device with a functional screen and audio output will fulfill output needs. Headphones are optimal but not necessary.
2. Input as previously stated any android or iPhone device with a touch screen keyboard is required to use our application. For audio inputs the phone microphone will be sufficient, but a headset would be most optimal.
3. Processes: push notifications will need to be enabled for the full use of daily notifications to keep the learner on track.
4. Security: each user will have a login of email and password. Passwords are encrypted to protect our user’s information. Optional face ID or touch ID login capabilities for IOS users.
5. Performance: handheld devices running latest versions of android OS or IOS are required for optimal performance and full access to features.

# Class Diagram

Create a class diagram. The Class Diagram should contain all of the system objects, their attributes, and any known methods. This diagram may be included as a separate file – it does not need to be inserted into this Word document.

# Use Case Diagram

Create a Use Case Diagram for all of the "uses" of your system. This diagram may be included as a separate file – it does not need to be inserted into this Word document.

# Use Case Scenarios

Create a full description Use Case Scenario (detailed descriptions) for each use case of the system. This intermediate scenario should include an enumerated list of steps involved in the activity as well as any exception conditions.

# System Sequence Charts

For each Use Case Scenario, provide a sequence diagram. Use your class diagram, use case diagram and scenarios to create the corresponding Sequence Diagram.