

# vibeCheck

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# Problem Statement

- Social media often becomes a platform for impulsive or emotionally charged communication, leading to misunderstandings, negativity, or unintended consequences. There is a need for a tool that helps users reflect on their tone and language before posting.

# Target Audience

YOUNG ADULTS AND  
TEENAGERS

PROFESSIONALS AND PUBLIC  
FIGURES

NON-NATIVE SPEAKERS

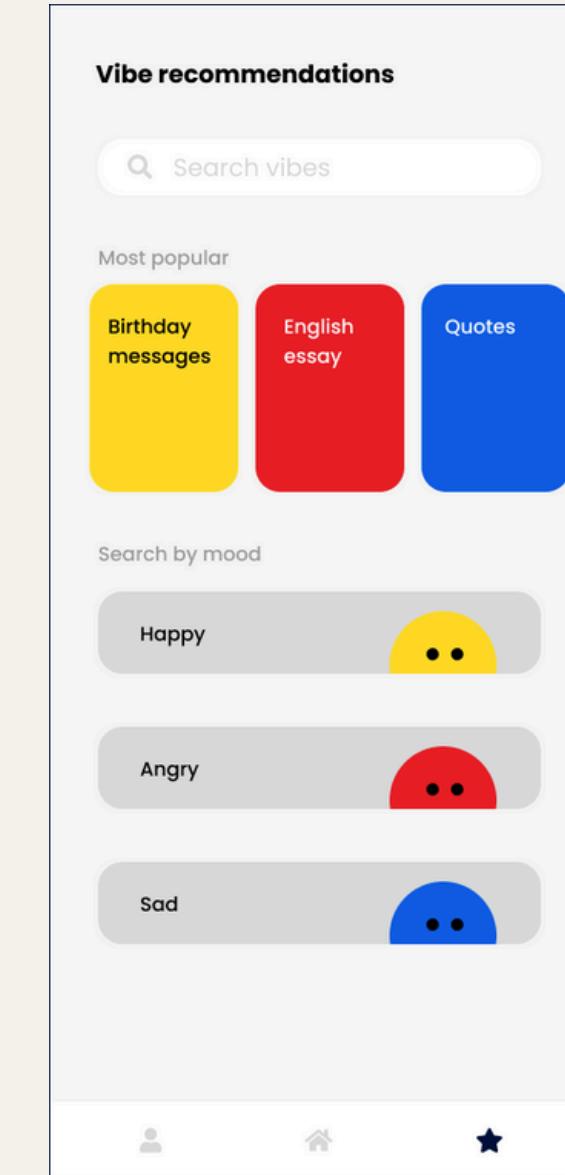
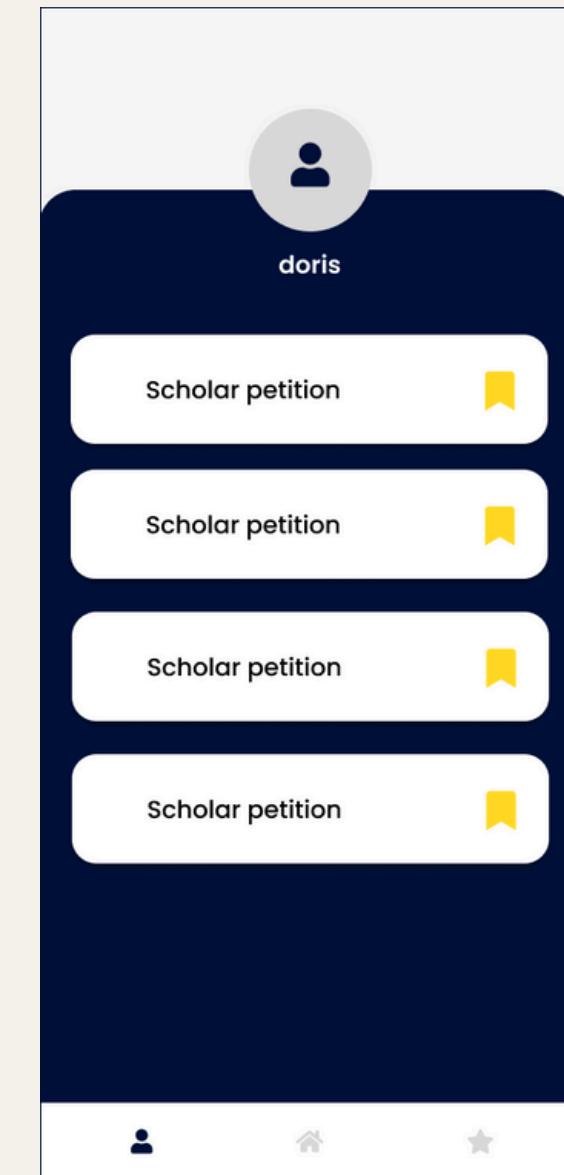
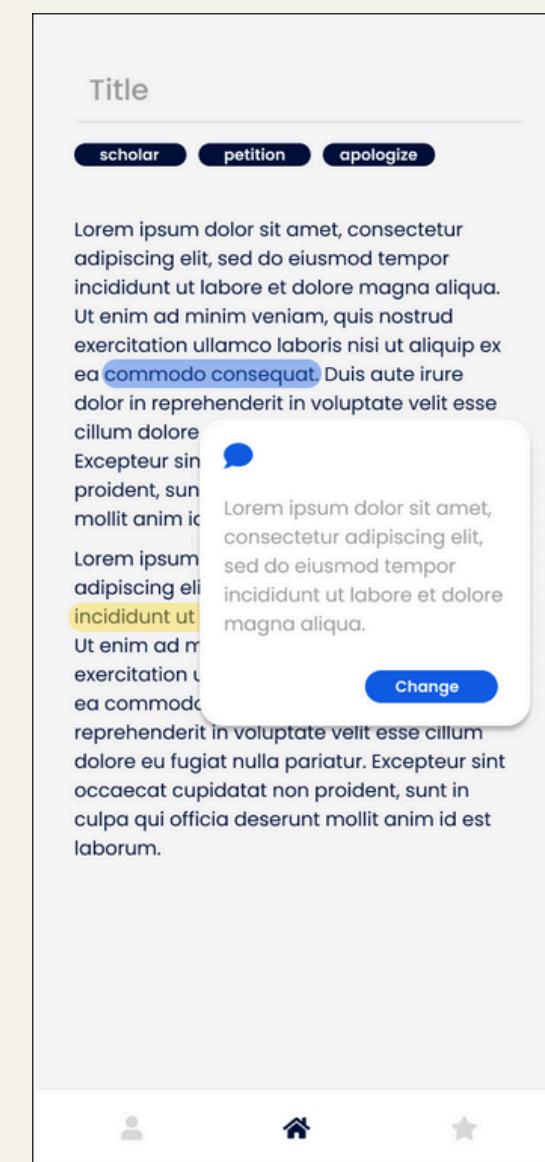
# Key Features

- Emotion Recognition in Text
- Suggest Edits and Improvements
- Multilingual

# Technical Approach

- Development platform: iOS
- Fully Dynamic Search: SwiftUI Generative language model

# User Interface Sketches



# Requirements

# Functional Requirements

- The user must be able to register using email and password.
- The app must analyze and correct text in real time.
- The system shall be able to rewrite texts without changing the meaning through the use of an API.
- The system shall use a database to save data from the user.
- The app must be able to identify by color the emotion detected.
- The app will rate the comments by stars (1 – 5).
- The user must be able to save texts in their profile.
- The app must be able to recommend messages or texts by labels.

# Non-Functional Requirements

- The application must efficiently handle large amounts of text without compromising speed or accuracy.
- User data must be securely processed and protected through encryption and compliance with privacy regulations.
- The interface must be intuitive, user-friendly, and accessible to a wide range of users.
- The system must process text and provide feedback within 6 seconds.
- High accuracy in emotion detection with a confidence level above 85%.
- Compliance with data privacy regulations.
- Cross-device compatibility, ensuring a seamless experience on different iOS devices.

# Risk Mitigation Plan

- App Store Rejection
- Data Security Issues
- Delays in Development
- Compatibility Issues

# Deliverables

Deliverable	Description	Due Date
Requirements Specification	Define functional and non-functional requirements	Tuesday, February 13th, 2025
UI/UX Design	Create wireframes, prototypes	Friday, February 13th, 2025
Frontend Development	Mobile app UI and features implementation	Friday, February 20st, 2025
Backend Development	API development database setup and training models	Friday, March 20 <sup>st</sup> , 2025
Testing & QA	Unit, integration, and user testing	Friday, March 28 <sup>th</sup> , 2025
Deployment	Submission to Google Play/ App Store	Date to be set

Thank you