

ITSD 83 - Mobile Application Development

Mobile Application Final Project

DitDah: A Mobile Messaging App Using Haptic Feedback with Morse Code

Background

DitDah is an experimental messaging app that converts messages into Morse code vibrations, allowing users to “feel” messages. It offers a playful, tactile communication experience that doubles as a tool for learning Morse code. Users can send, receive, and preview Morse code messages while receiving haptic feedback, creating a unique sensory way to connect with friends.

Key Features:

- User authentication: login/register and edit profile
- Add/remove friends (nodes) via QR code
- Send and receive Morse code messages with tactile feedback
- Preview translations of messages
- Delete sent/received messages (messages still appear to recipient)
- Notifications redirecting to the relevant chat

Limitations:

- Cannot broadcast messages or type regular text
- Limited message length, no multimedia, no editing
- Limited contact management (no grouping)
- Offline use restricted
- Requires devices with strong haptic hardware