Chirp! Project Report

ITU BDSA 2024 Group 13

Alexander Hvalsøe Holst alhh@itu.dk
Andreas Løvsgren Nielsen anln@itu.dk
André Racraquin Birk arbi@itu.dk
Peter Aksel Skak Olufsen polu@itu.dk
Símun Larsson Løkke Rasmussen simra@itu.dk

1 Design and Architecture of *Chirp!*

1.1 Domain model

asdasdasd

1.2 Architecture — In the small

Design and architecture

1.3 Architecture of deployed application

architecture

1.4 User activities

Illustrate

1.5 Sequence of functionality/calls trough *Chirp!*

UML sequence diagrams

2 Process

2.1 Build, test, release, and deployment

UML activity diagram

2.2 Team work

2.3 How to make *Chirp!* work locally

2.4 How to run test suite locally

3 Ethics

3.1 License

This project uses the MIT license.

3.2 LLMs, ChatGPT, CoPilot, and others

The LLMs which were used throughout the developement process were: ChatGPT, GitHub CoPilot and Codium.

All three LLMs were used for debugging, and ChatGPT for generation for most documentation.

Interms of the value of there responses it varied. Sometimes, it was a smnall human error which was overseen. In other more complex cases, it required a greater understanding of the program which the LLMs, espically ChatGPT lacked. In these situations, the LLMs which are built in to text editors, GitHub CoPilot and Codium, were able to gather more information, but were still not always able to solve errors. This may have lead to some spirals throughout the development process and over-relying on an LLM to find a solution.