

Sprint 2 Project Demo

Team 24

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Project Introduction

Chirp is an instant messaging and collaboration platform designed for teams. It allows team members to communicate and collaborate in real time via chat or uploading images. With Chirp, users can organize conversations into separate channels based on topics. It also offers features like messaging threads to help teams stay organized and focused.

Technical Stack

Frontend: ReactJS (Typescript), Sass

- Yarn (resource management)
- Yup (schema, form validation)

Backend: Django

- Libraries: rest_framework, corsheaders

Database: PostgreSQL

Dev: Docker

CI: GitLab CI

Cloud Services: AWS EC2, AWS S3

Original goal for Sprint 2

(Product Owner: Amelia Lee - chickenl)

- Create new channel
- Search for created channels
- Post and comments under public channel
- Upload image

Completed goal for Sprint 2

- Overall frontend structure
 - Header, Collapsible Side Menu, Main Content View, Thread View
- Endpoints Security
 - Make endpoints CSRF protected
 - Set the permissions default to `IsAuthenticated`
- Resolve CORS issues between different domains (React, Django)
- Create new public channel
- Search for public channels
- Create new conversation with other users
- Posts and comments in channels (frontend)

Expected goal for Sprint 3

(Product Owner: Henry Lu - ihsuanl)

- Upload image
- WebSocket for post/comments and direct messages
- Public / Private channels
 - Allow owner to add users to the private channel
 - Private channels should not be searchable
- Search messages in conversations
- User online status
- Check project for basic security flaws
- Deploy to cloud

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