MAIL2VOICE

The future of an accessible email client

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Introduction

- How to bring email to illiterate or cognitive/motor impaired people?

- Provide adapted software:
  - Simplified GUI:
    - representative icons
    - audio feedback
    - single clicks
  - Text to speech to read email
  - Audio recording to send email (no speech to text)
  - Address book displayed through photos

Current version

Mail2Voice Next: what and why?

- The end of v1:
  - Feature complete for the branch
  - No longer maintainable (spent devs)
  - Scalability dead end (performances, feature and env)

- The rise of v2:
  - New features
  - New architecture
  - New perspectives

  → Rebuild the project with a rock solid base
  to later focus on accessibility.

Find a way for V2

- One certainty: throw everything away and restart!

- Two ways of achieving desired goal:
  - Build upon existing client
  - Build from components

Build upon existing client?
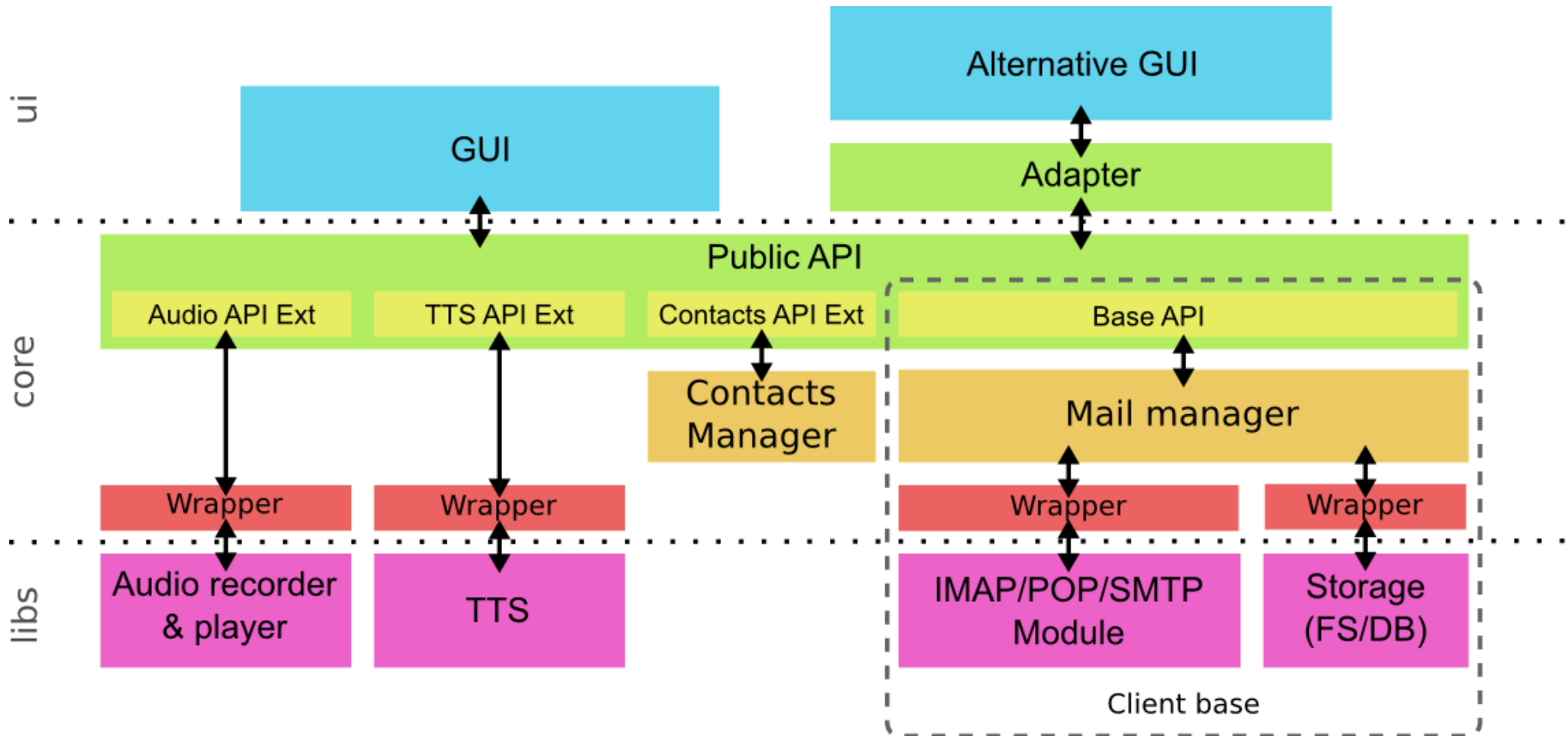
- **Different clients considered**
  - Thunderbird seemed the best option

- **Thunderbird Extension?**
  - Unstable APIs (legacy dropped, Addon SDK not fully supported, WebExtensions coming)
  - TB has been dropped officially from Mozilla

Build from components

- Perspectives:
  - New architecture
  - Stable code base
  - Split between base and M2V specific features

- Issues:
  - Lot of (re)work

Architecture overview

Roadmap

- January
  - Project start: done ✔
  - Functional specifications: done ✔
  - Study of existing solutions/components: pending ✖

- February
  - Architecture design
  - Data models, interfaces, components design

- March
  - Architecture validation
  - HMI design
  - Development roadmap

Future thoughts

- Accessibility: Just DO IT!

- Other kinds of public

- Derivatives projects?
  - Other forms of email clients
  - GUI concepts reproduced for different software

- Beyond email?
  - Video/audio chat

Conclusion

- Mail2Voice Next is on track

- Still in early design stage

- Large amount of work to expect

- Far more exciting!

Conclusion

- Mail2Voice Next is on track

- Still in early design stage

- Large amount of work to expect

- Far more exciting than v1!

Thank you! Questions?

Website : http://www.mail2voice.org

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