

ClipButler

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Overview of Presentation

1. Introduction to Project
2. Practical Uses
3. PREFS
4. BUFFER
5. Conclusion

Introduction

The background features a light blue upper section and a white lower section, separated by a diagonal line. A dark blue horizontal band with a right-pointing arrow shape on its right edge spans the width of the slide. In the bottom right corner, there are overlapping horizontal bars in light blue and orange.



Project Evergreen Requirements

Application that stores strings accessible in other applications

- The application is intended to:
 - ▷ Allow for ease of access when transferring string between apps
 - ▷ Be comprised of two primary interfaces: BUFFER and PREFS
 - ▷ Display a notification while running
 - ▷ Run on Android mobile devices



Then ClipButler was Born...

- Implements all required features outlined in our SRS
- Built by an awesome team utilizing agile methods
- Contains aesthetic icons and logos
- Has an elegant, yet simple, user interface





Primary Development Locations



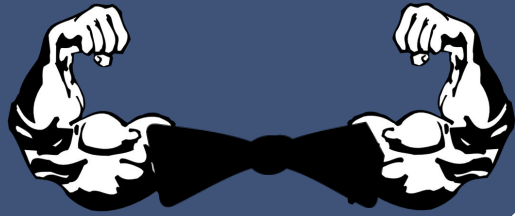
ClipButler Uses



Best Uses of ClipButler

- Built for users with multiple years experience with smart devices
- Designed by Elephant's national team to assist phone users in transferring strings
- Works across applications
- Practical Uses Include:
 - ▷ Copying multiple addresses to send to clients
 - ▷ Saving progress when working on large bodies of text

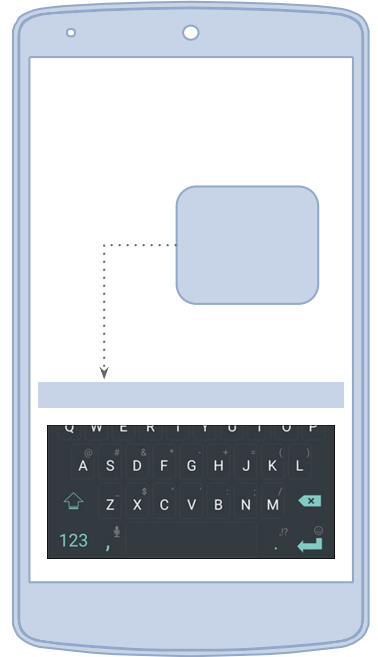
BUFFER



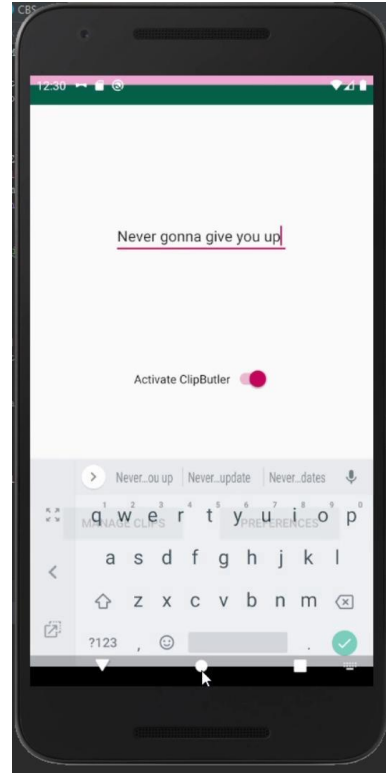


BUFFER

- Accessed in three clicks via Trip-p-ple Click
- Duplicate Copy Protection
- Dark Mode
- Scrollable list of recent copies



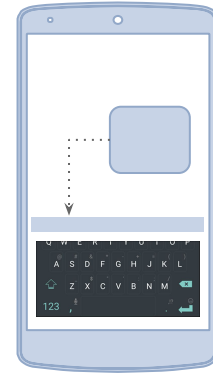
BUFFER Video Demonstration





BUFFER - Backend

- Data Structure - glorified “queue”
- FIFO List
- Data Persistence



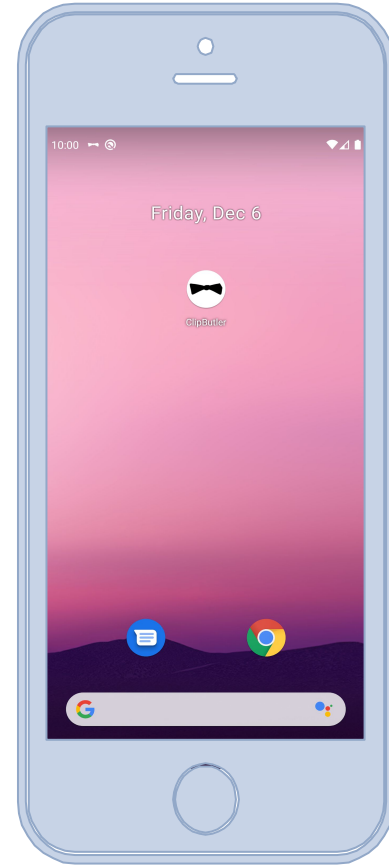
PREFS





PREFS

- App launcher is shown in the dashboard when installed
- ClipButler is displayed below the app launcher
- Multiple pages (Home, Preferences, Manage Clips)





PREFS - Home Page

- ClipButler's logo is on display here
- Welcome messages and news are posted here
- Buttons exist for navigation

 ClipButler • 1m

ClipButler Active

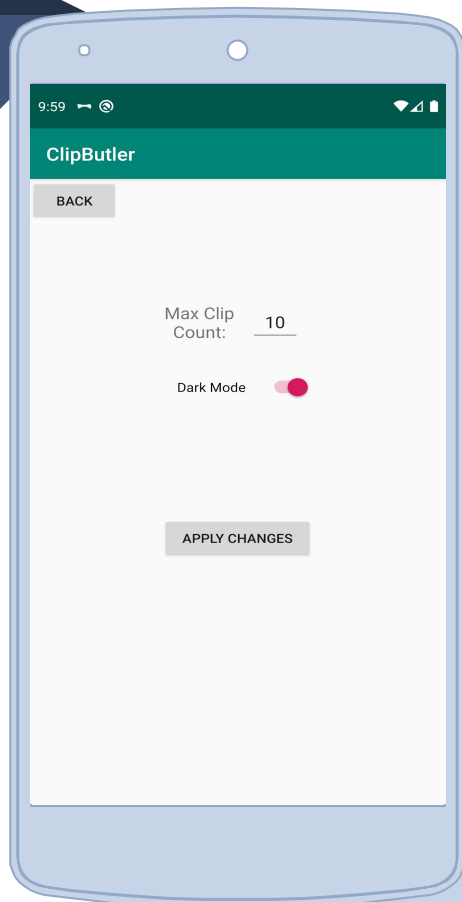
ClipButler Service currently active





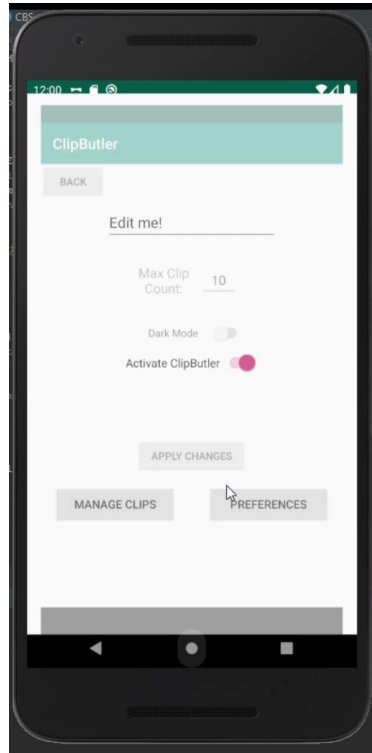
PREFS - Preferences

- Update the max clips stored and displayed
- Activate and deactivate dark mode





PREFS Video Demonstration



Conclusion



Elephant's Software Development Process

BUFFER

PREFS

Connect

Features





Future Steps

- PREFS
 - ▷ View, Edit, and delete strings in PREFS View Clips page
 - ▷ PREFS dark mode
- BUFFER
 - ▷ BUFFER pop up animation



Project Takeaways

- Teamwork is key to good software engineering
- Communication is required for a successful flow
- Merging in git should be done frequently to avoid conflicts
- Android has a learning curve
- Structure is more important than (almost) everything
- Working with a customer as great as Dr. Stanley can still be hell

End of Presentation