

Team Name: zuckzuckzuck

Period 9

1 Introduction

Team Members:

Edmond Wong

Jonathan Wong

2 Project

Project Title: botto

Project Idea: Build a terminal program that when run, allows the user to remotely connect with the machine the program is running on, through channels like messenger, and discord.

This would be similar to a messenger bot, except it would allow stuff like remote command execution, and all other "bot things"

Critical Features:

At minimum, the bot should be able to...

- Respond to user greetings like hello
- Use a couple of select terminal commands like cat, cd, and ls
- Allow the user to terminate the program from remote channels
- Support encryption of login info (can't just login without default info)

Noncritical Features:

We would like to add ... given the time.

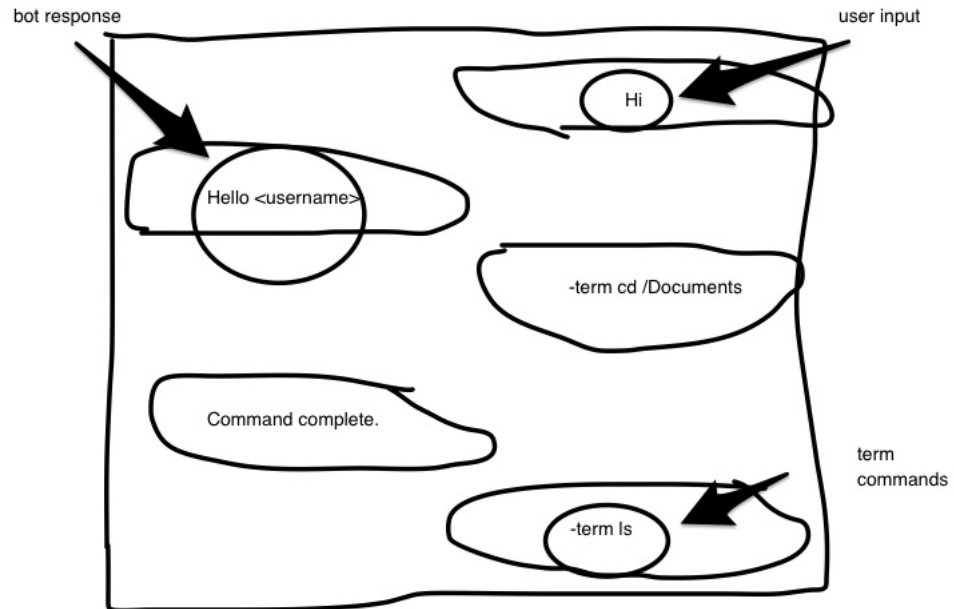
- Support for slack
- more robust commands + command prevention (no sudo)
- natural language processing (possibly a third party library like apache opennlp)
- Voice Recognition

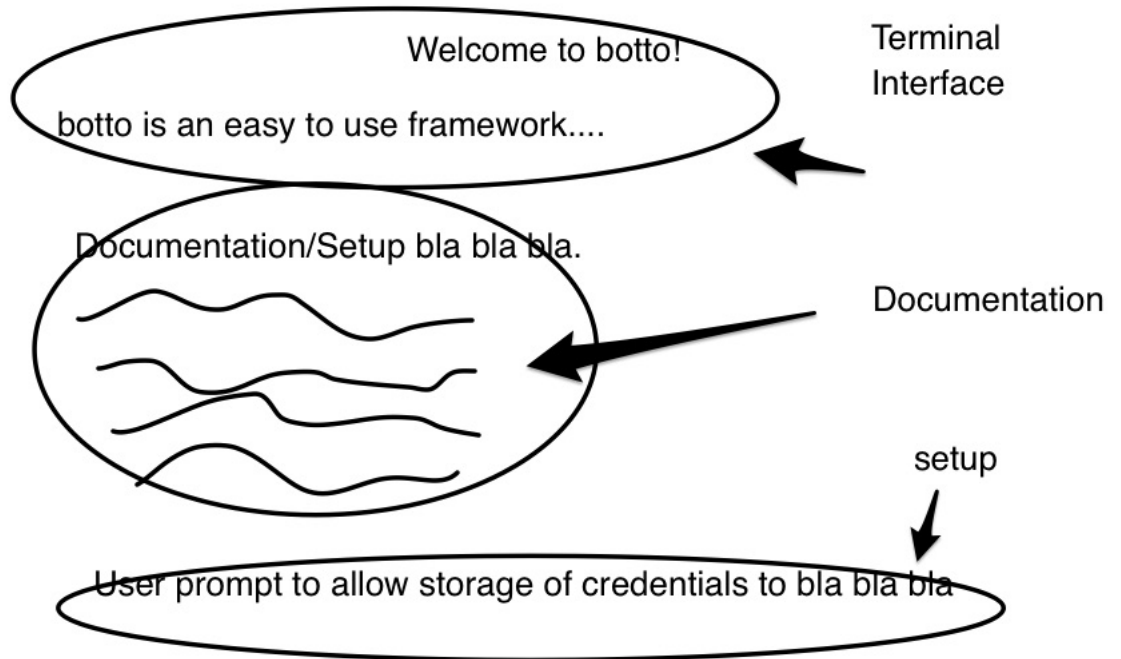
Development Stages:

We have already completed the greeting and terminating parts of botto over the break. We got selenium to work, and were able to send text through discord and have the code respond to it. We want to get messenger supported by Jan. 8 and want to refactor our code to be much cleaner. We want to have a main driver to run multiple discord and messenger accounts. We want to add basic encryption of login credentials by Jan. 14th. We will add extra features like voice recognition later if we have the time. We might also get the program to run on a Raspberry Pi for the demo, but we have no guarantees.

Edmond's Part: encryption + continued work on the almost done discord part + refactor to make more object-oriented, commands

Jonathan's Part: incorporate messenger, refactor code, possibly add slack + other features, commands, get remote terminal execution to work





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2. jonathanwong@JWS-Macbook: ~/devstuff/Projects/botto/botto (zsh)

→ botto git:(phantomjs) X
→ botto git:(phantomjs) X
→ botto git:(phantomjs) X
→ botto git:(phantomjs) X
→ botto git:(phantomjs) X
→ botto git:(phantomjs) X java Controller

Welcome to botto!

botto is an easy to set up framework that allows you to turn your device into an instant IoT device.

botto supports channels such as discord, fb messenger, and slack, to let you make your own programmable recipes.

Program Usage:
java Controller [option]

Options include:
discord
messenger
slack

→ botto git:(phantomjs) X
```

