



Checkpoint 1

Kavanaugh Frank / Matt Proboski / Nick Beoglos / Alec Martel / Amos Agyeman

Mac OS

Mac OS

Mac OS

Windows

Meeting times: Sundays @ 4:00 // Mondays @ 3:30

What's Fibble?

- Well, what is Wordle?
 - Wordle is a game in which you must guess a random 5-letter word. When you make a guess, you get information on if the letters you used are in the **right spot**, in the **wrong spot but right letter**, or **incorrect letter**. You have 5 guesses to get the word right

T	R	A	I	N
R	I	S	E	R
R	I	G	H	T

- So then what's Fibble?
 - Fibble is a variant of Wordle where every time you guess, *one* piece of information is a lie.

See the contradiction?

L	A	S	E	R
P	A	S	T	E
S	A	P	P	Y
P	O	L	E	S
C	H	U	M	P
D	U	M	K	A
S	H	A	V	E

Basic Project Information

- What are we making?
 - We're making a bot to play through a game of Fibble *efficiently*, not quickly. This means the bot will attempt to guess the correct word in as little guesses as possible, not as fast as possible.



- What'll it look like?
 - Our current Figma Mockup:



- Options for Play type to change from Manual to Bot play

Technology Stack // Tool Chain

- Technology Stack

HTML



- HTML - Standard Markup Language for developing websites



- Java Script— Programming language primarily used for web application development

- CSS – Use to style and change layout of webpages

- NPM – Node Package Manager for Java Script

- MySQL – Relational Database

CSS



- Tool-Chain

- Axios – Javascript Library for making HTTP Requests

- Body-Parser – NPM Library used to process data sent through HTTP request

- ExpressJS – Web app framework for Node.JS, used to build web application.

- Nodemon - Utility that monitors and changes made in Node.JS applications

- Node JS – Java Script runtime environment to execute code outside of a browser



Team Credentials & 2 Week Plan

- Kavanaugh Frank
 - Backend functions that receive post request from frontend
 - Made requests to server in frontend
 - Setup backend more
- Nick Beoglos
 - Converted previous Wordle moddle into Fibble. Misc. Debugging and work with variables to send to server
 - 2 Week Plan – Continue development with Client Side Fibble & Bot
- Amos Agyeman Jr.
 - Researched on wordly AI
 - 2 week plan -> Backend development
- Matt Proboski
 - Edited the CSS to make the game look more appealing
 - 2 Week Plan – start thinking about how the bot will operate and make intelligent decisions
- Alec Martell
 - Attempting to restructure a wordle bot to work on Fibble
 - 2 Week Plan – Continue external Fibble bot research (Strategy for making bot) as well as first attempt to create the bot

Meeting Attendance Sheet: 09/26/23 - 10/10/23

- Meeting 1 – 10/05/23 - All Members Attended
 - Meeting 2 – 10/09/23 - All Members Attended
 - Meeting 3 – 10/10/23 - All Members Attended
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- Potential Road-blocks
 - Client and Server-side communication
 - Out of sync data (Potential move to React implementation, undecided)
 - Misc bug testing

LIVE DEMO



Rapid Prototype

- 1.) Bots first Guess will be a random word given to it in Fibble
- 2.) A bot will decide through algorithm, or hard-coded design what to guess next. This guess will run through Fibble algorithm to produce a lie and sent to server as an array.

- `let sendToServer = new Array(2);`
- `sendToServer[0] = userInput;`
- `sendToServer[1] = wordInfo;`

3.) For instance, if the word is slice,
and the first guess is sligh like this:



4.) Then return to server looks like this:

```
sligh  <--- Return word  
► (5) ['2', '2', '2', '1', '0']
```

^ String bot uses to make next guess
0 – Absent | 1 – Present | 2 – Correct

Rapid Prototype Cont.

- Bot uses this sendToServer array and process it through our (soon to be developed) guessing algorithm to determine the perceived next guess. Of course, this guess can't be a word already used by the bot.
- Repeat until sendToServer[1] returns `► (5) ['2', '2', '2', '2', '2']`
- NOTE: We have a bug right now where the possible lie can make the word completely correct as shown:

(Check for word disabled for testing purposes,
slice is the target word)



Kavanaugh Frank - P101032426-Kavanaugh-Frank

- <https://github.com/OU-CS3560/fibble-cpp-f23/commit/a04b4abb65f11e6d2cc021bf3e475de9b16d63fa>
- Made pull requests on frontend so that the fibble game would be complete

```
● kavanaughfrank@Kavanaughs-MacBook-Pro fibble-cpp-f23 % git --no-pager show --shortstat --format
commit 741e2fc0679ba20b11c8845c1a2d59839bb9d4d5 (HEAD -> main, origin/main, origin/HEAD)
Author: Kavanaugh-Frank <kf106921@ohio.edu>
Date: Tue Oct 10 00:09:42 2023 -0400

    commit to finish the fibble game

    1 file changed, 110 insertions(+), 53 deletions(-)
○ kavanaughfrank@Kavanaughs-MacBook-Pro fibble-cpp-f23 %
```

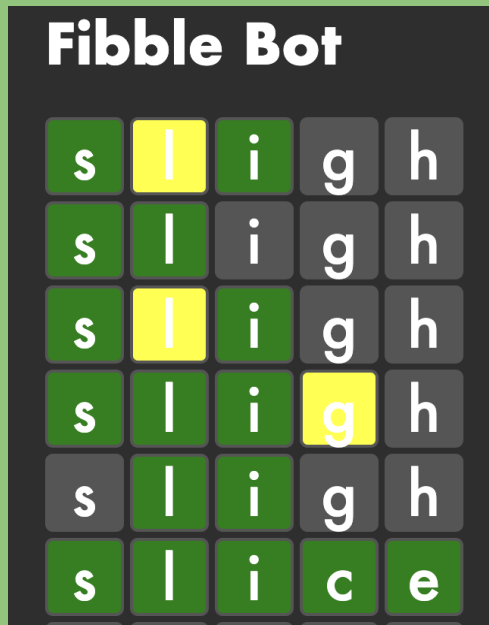
Matt Proboski - mp636421 - matthewproboski

- Contributions: edited the CSS to make the game look nicer
- <https://github.com/OU-CS3560/fibble-cpp-f23/commit/66c0348ba7e154a4b855803df6c267a012c13aac>

```
git commit -m "some cosmetic work"  
[cosmetics 66c0348b] some cosmetic work  
3 files changed, 24 insertions(+), 14 deletions(-)
```

Nick Beoglos - nb975422 - nickbeoglos

Summary of Contributions: Converted Wordle into Fibble, created sendToServer var to be sent to server side



<https://github.com/OU-CS3560/fibble-cpp-f23/commit/0a9637dc19c55becbc94cbae9cedd74856d46ec1>

<--- CSS Changes were done by Matt

```
commit 0a9637dc19c55becbc94cbae9cedd74856d46ec1 (origin/frontendtesting, frontendtesting)
Author: nickbeoglos <nb975422@ohio.edu>
Date:   Mon Oct 9 14:31:21 2023 -0400

    made game into fibble

    2 files changed, 95 insertions(+), 25 deletions(-)
nickbeoglos@Nicks-MacBook-Air-7 fibble-cpp-f23 %
```

Alec Martell- Am754720 - Amartell22

- <https://github.com/OU-CS3560/fibble-cpp-f23/commit/d450fd156d89618263c7c372695f7386e65a70e3>

```
3 files changed, 6574 insertions(+)
PS C:\Users\123am\OneDrive\Documents\23 Fall Semester\Tools\fibble-cpp-f23> git --no-pager show --shortstat --format=medium d450fd1
commit d450fd156d89618263c7c372695f7386e65a70e3
Author: Alec Martell <am754720@ohio.edu>
Date: Tue Oct 10 13:23:54 2023 -0400

    Sample Bot to base fibble bot off of

4 files changed, 2880 insertions(+)
PS C:\Users\123am\OneDrive\Documents\23 Fall Semester\Tools\fibble-cpp-f23> █
```

Amos Agyeman Jr. - aa852712 - AmosJr

- <https://github.com/OU-CS3560/fibble-cpp-f23/commit/bad7c136c69470fff099139eb5dcfb5dd10eac82>

```
● amosagyeman@Amoss-MacBook-Pro fibble-cpp-f23 % git --no-pager show --shortstat --format=medium bad7c13
commit bad7c136c69470fff099139eb5dcfb5dd10eac82 (HEAD -> main, origin/main, origin/HEAD)
Author: Amos Agyeman <36213810+AmosJr@users.noreply.github.com>
Date: Tue Sep 26 16:11:16 2023 -0400

    commit one

    server.js, nyt_allowed.txt, database.js update

    3 files changed, 12563 insertions(+), 4 deletions(-)
○ amosagyeman@Amoss-MacBook-Pro fibble-cpp-f23 %
```