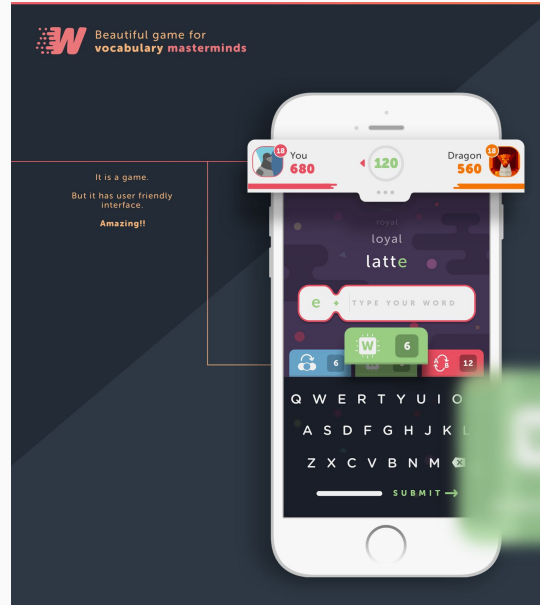


Wordrow

Byte - Team - Öncel

Growth Session #17 - August 23-24 2018

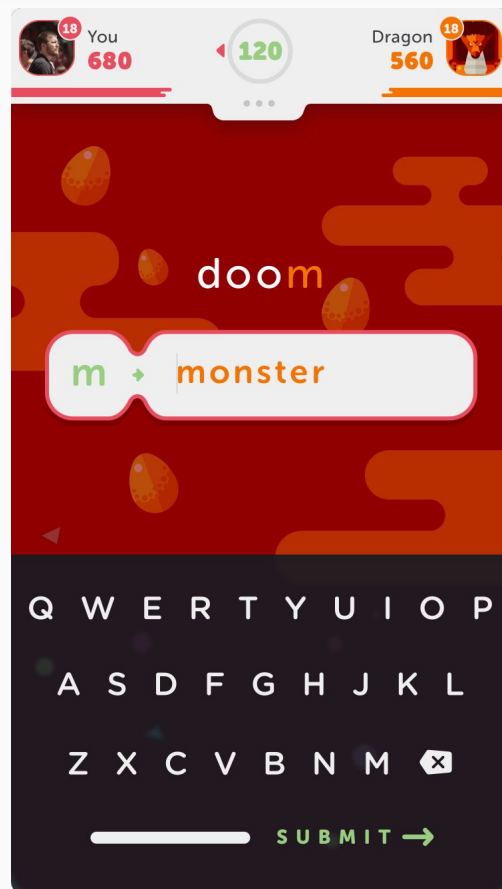
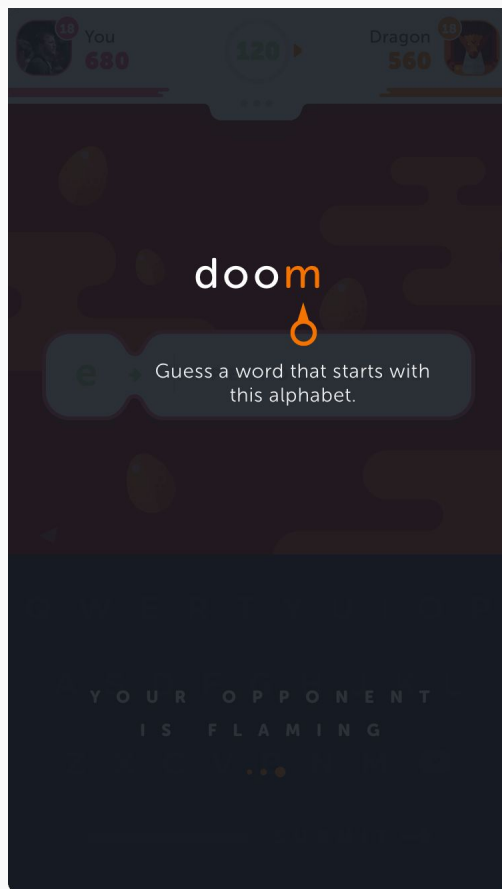
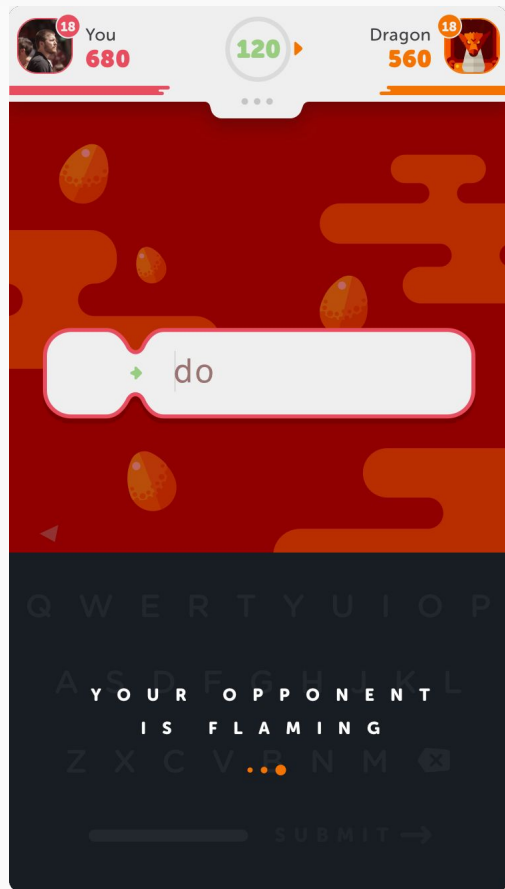
- Wordrow ⇒ Beautiful game for **vocabulary** masterminds



Ref:

<https://www.behance.net/gallery/37415235/Wordrow-Vocabulary-Game>

Intro



Achievements and progress

- Word's points calculator
- Main screen

Word's points calculator


- Scrabble points
 - (1 point) A, E, I, O, U, L, N, S, T, R
 - (2 points) D, G
 - (3 points) B, C, M, P
 - (4 points) F, H, V, W, Y
 - (5 points) K
 - (8 points) J, X
 - (10 points) Q, Z
- Word validator ?
 - - How to validate that the input word is really exist ?

Word's points calculator

- Word's point calculator & validator
 - Scrabble dictionary.



IS YOUR WORD AN OFFICIAL SCRABBLE ONE?

CONGRATULATIONS! THIS IS AN OFFICIAL SCRABBLE WORD.

MERRIAM-WEBSTER'S OFFICIAL SCRABBLE PLAYERS DICTIONARY, 5TH EDITION, ONLY DEFINES ROOT WORDS. PLEASE SEE ROOT WORD DEFINITION.

10 PTS **APPLES**
AN EDIBLE FRUIT
RELATED WORDS: **APPLE**

Ref: <https://scrabble.hasbro.com/en-us/tools#dictionary>

Word's points calculator

- Word's point calculator & validator
 - Scrabble dictionary API

GET /word.json/{word}/scrabbleScore Returns the **Scrabble** score for a word

Response Class (Status 200)
int64

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
word	<input type="text" value="apples"/>	Word to get scrabble score for.	path	string

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'https://api.wordnik.com/v4/word.json/apples/scrabbleScore?api_key=
```

Request URL

```
https://api.wordnik.com/v4/word.json/apples/scrabbleScore?api_key=YOURAPIKEY
```

Response Body

```
{  
  "value": 10  
}
```

Response Code

Ref: <https://developer.wordnik.com/docs#!/word/getScrabbleScore>

Word's points calculator

- Word's point calculator & validator
 - Scrabble dictionary API

Sign Up For A Wordnik API Key

Wordnik username:

Enter your Wordnik username

Don't have a Wordnik username yet? [Sign up here.](#)

Tell us how you plan to use our API:

What are you making or doing? Feel free to include a URL for your site or app.

☒ Yes! I'll donate US\$5 to help keep Wordnik running and get my API key within 24 hours!

☐ No donation, just send me my key. I understand it may take up to seven days to receive my API key.

☐ Sign me up for the Wordnik API newsletter!

Submit

Ref: <https://developer.wordnik.com/docs#!/word/getScrabbleScore>

Word's points calculator



Word's points calculator

Sign Up For A Wordnik API Key

Wordnik username:

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- ☒ No donation, just send me my key. I understand it may take up to seven days to receive my API key.
- ☐ Sign me up for the Wordnik API newsletter!

Submit

Thank you for signing up for a Wordnik API key!

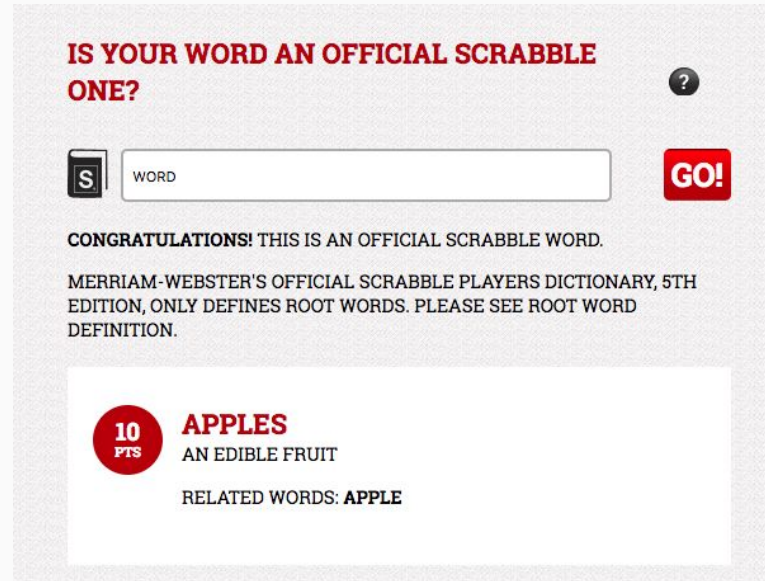
"You should get an email with your key in about a week."

Word's points calculator



Word's points calculator

- Word's point calculator & validator
 - Scrabble dictionary.



The screenshot shows a web interface for checking if a word is an official Scrabble word. At the top, it asks "IS YOUR WORD AN OFFICIAL SCRABBLE ONE?" in red. Below this is a search bar with a "WORD" placeholder and a "GO!" button. A small "S" icon is to the left of the search bar. Below the search bar, it says "CONGRATULATIONS! THIS IS AN OFFICIAL SCRABBLE WORD." and "MERRIAM-WEBSTER'S OFFICIAL SCRABBLE PLAYERS DICTIONARY, 5TH EDITION, ONLY DEFINES ROOT WORDS. PLEASE SEE ROOT WORD DEFINITION." Below this, a white box displays the word "APPLES" in red, with "10 PTS" in a red circle to its left. Below the word, it says "AN EDIBLE FRUIT" and "RELATED WORDS: APPLE".

IS YOUR WORD AN OFFICIAL SCRABBLE ONE?

WORD

GO!

CONGRATULATIONS! THIS IS AN OFFICIAL SCRABBLE WORD.

MERRIAM-WEBSTER'S OFFICIAL SCRABBLE PLAYERS DICTIONARY, 5TH EDITION, ONLY DEFINES ROOT WORDS. PLEASE SEE ROOT WORD DEFINITION.

10 PTS

APPLES

AN EDIBLE FRUIT

RELATED WORDS: **APPLE**

Ref: <https://scrabble.hasbro.com/en-us/tools#dictionary>

- Web Scraping
 - is data scraping used for extracting data from websites.
 - jQuery Selector
- CheerioJS

```
$( selector, [context], [root] )
```

`selector` searches within the `context` scope which searches within the `root` scope. `selector` and `context` can be a string expression, DOM Element, array of DOM elements, or cheerio object. `root` is typically the HTML document string.

This selector method is the starting point for traversing and manipulating the document. Like jQuery, it's the primary method for selecting elements in the document, but unlike jQuery it's built on top of the CSSSelect library, which implements most of the Sizzle selectors.

```
$('.apple', '#fruits').text()  
//=> Apple  
  
$('ul.pear').attr('class')  
//=> pear  
  
$('li[class=orange]').html()  
//=> Orange
```

- Web Scraping

- is data scraping used for extracting data from websites.
- jQuery Selector

- CherrioJS

```
$( selector, [context], [root] )
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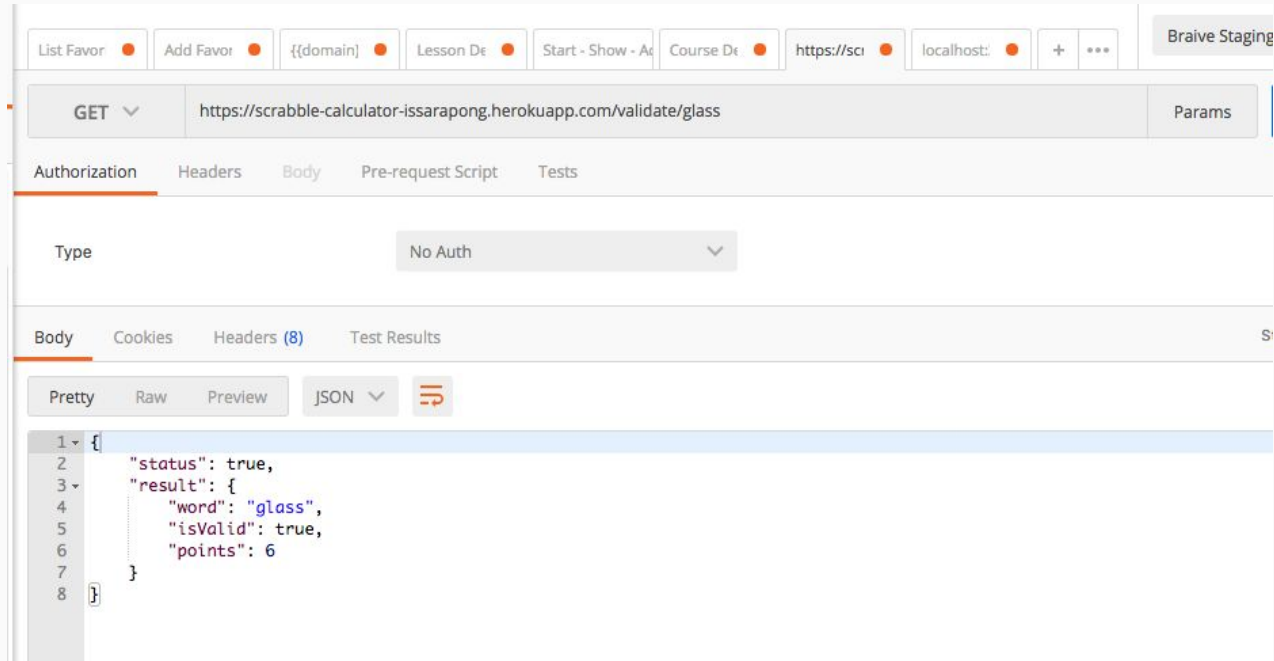
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$('.apple', '#fruits').text()  
//=> Apple  
  
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- CherrioJS

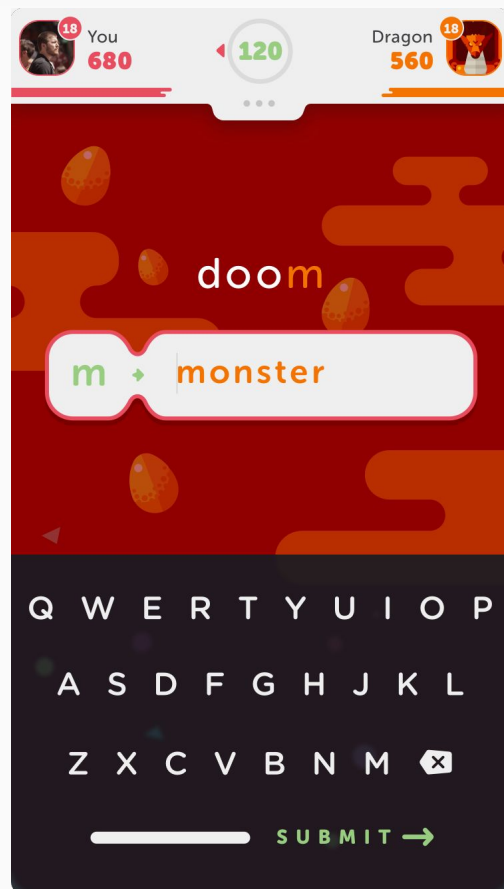
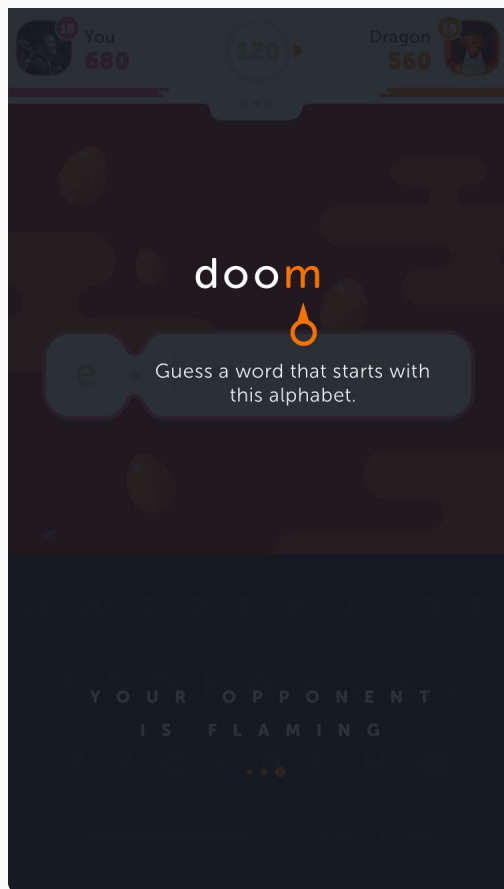
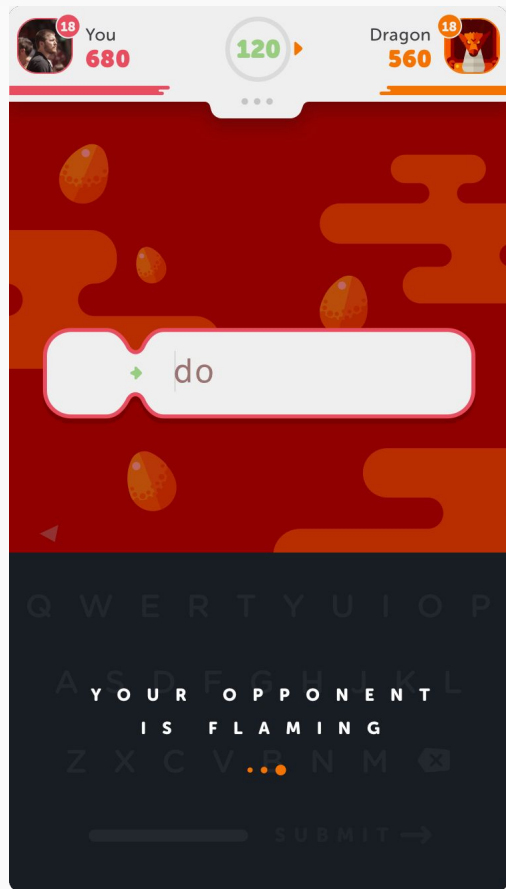
```
var score = $(".dictionary-results:first-of-type .score").text();
const word = $(
  ".dictionary-results:first-of-type .word-definition h4"
).text();

if (score.length > 0) {
  completion({ word: word, score: score });
  return;
} else {
  completion(null);
  return;
}
```


- Wordrow serverside.



Wordrow





Next step

- More screens
- GameKit
- Game Center Authentication
- Pair Locally with GameKit

Thanks!

Contact Nimbl3

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