
Bookworm

Slack App by
Adam &
Charmaine

Created by avid readers, this app brings the best of the Goodreads API to **Slack** users.

1. Ping us with **authors** or **titles** of books
2. Receive a list of books with ratings given by community readers.

Bookworm



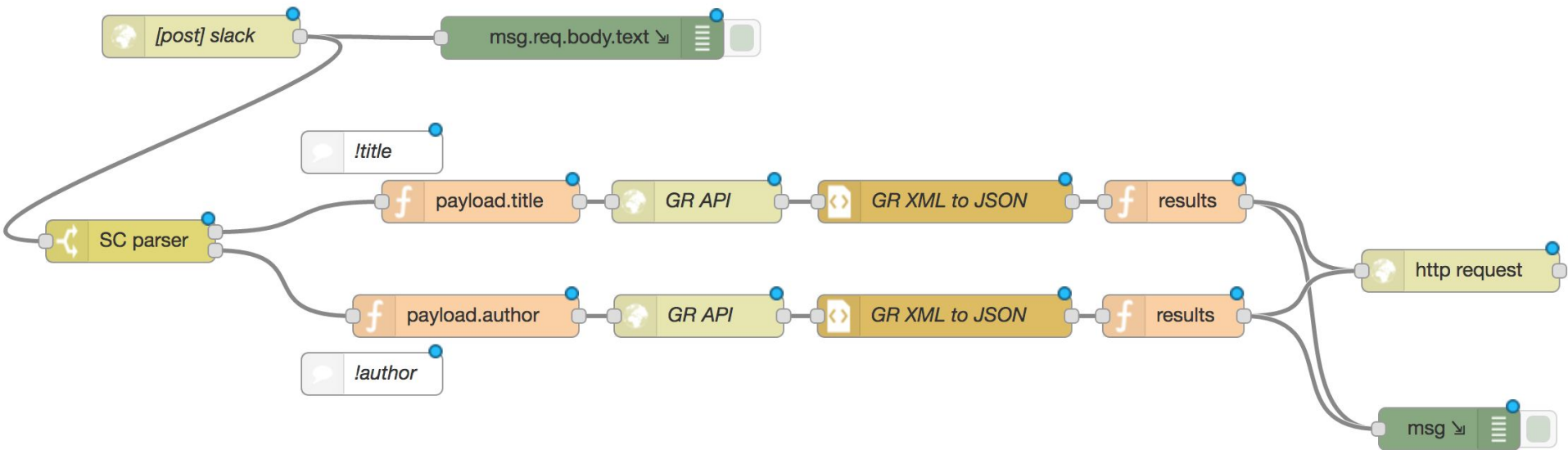
Slack

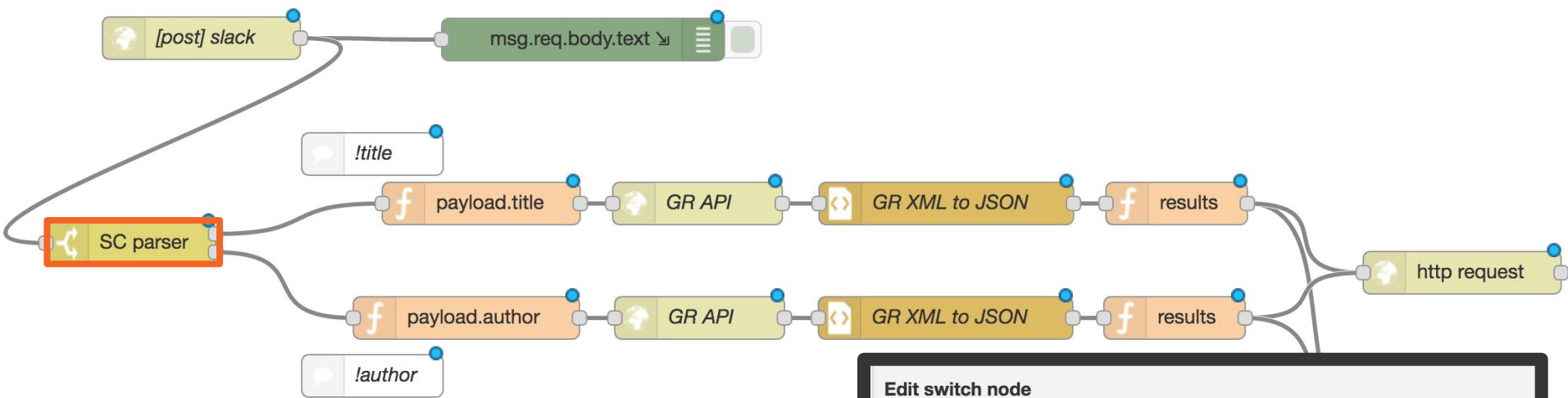
Node RED

Goodreads API

Logical Diagram

Node RED





switch-case

Assign flows to
respective messages

Edit switch node

Delete

Cancel

Done

Name

Command parser

Property

▼ msg. payload.text

matches regex

▼ a_z ^!title

→ 1

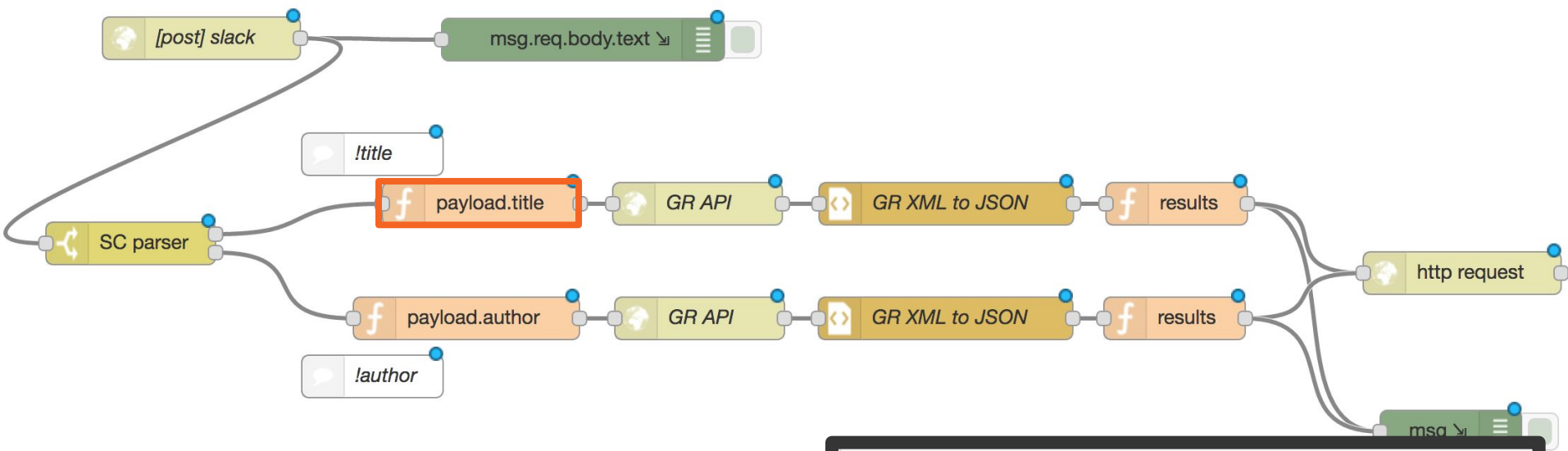
☐ ignore case

matches regex

▼ a_z ^!author

→ 2

☐ ignore case



Payload

Remove !title or !author
from payload

Edit function node

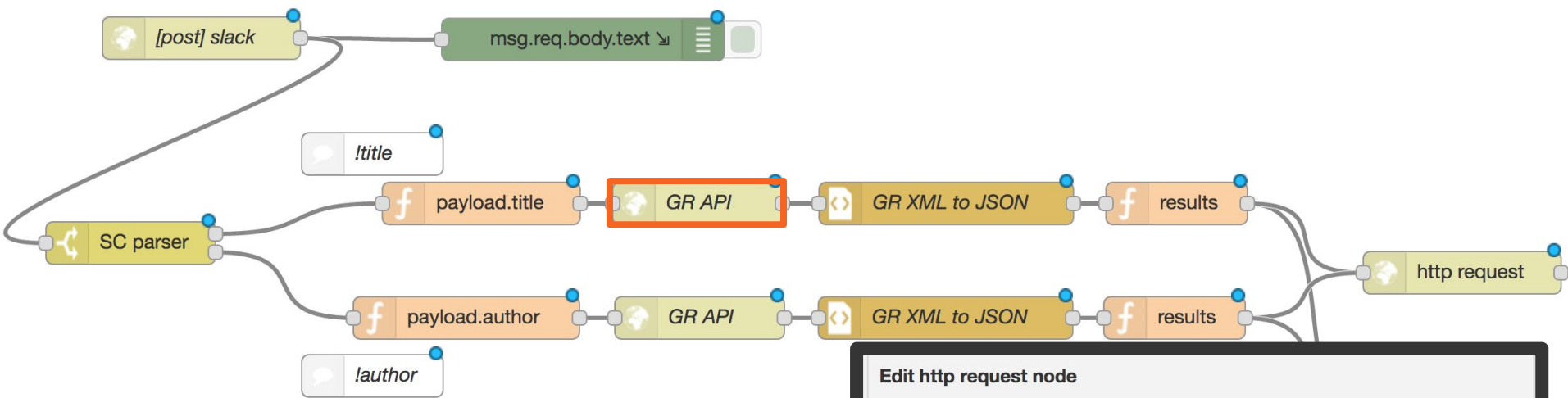
Delete

Name

payload.title

Function

```
1 var msg = msg.payload.text;  
2 return {  
3   payload: msg.replace(/^!title\s*/, "")  
4 };
```



Goodreads API

goodreads.com/search/index.xml
?q={[[payload]]}
&key=Goodreads API key
&search=title

Edit http request node

Delete Cancel Done

Method GET

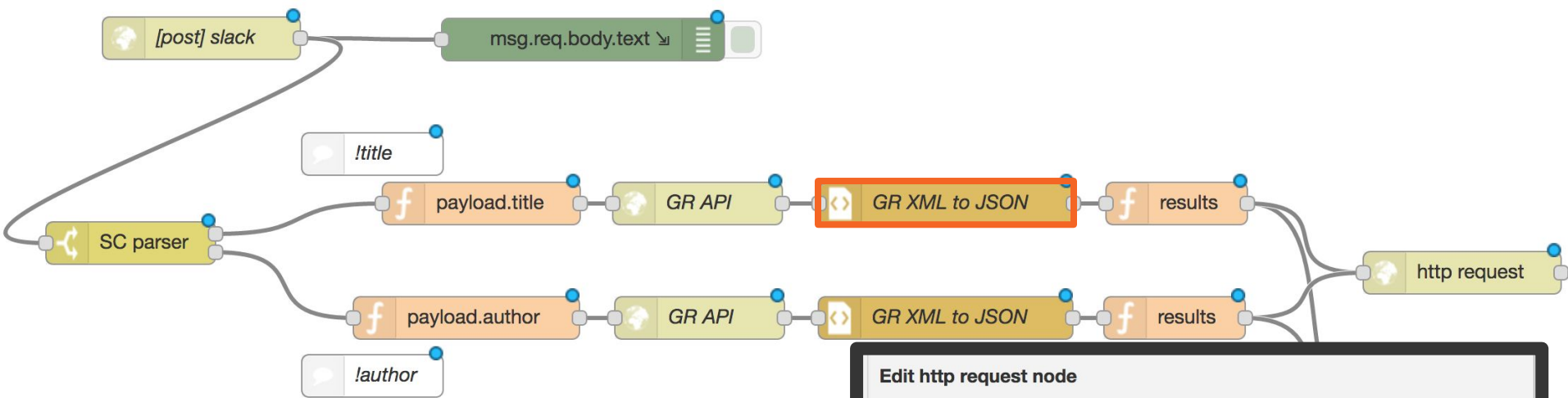
URL `https://www.goodreads.com/search/index.xml?q:`

☐ Enable secure (SSL/TLS) connection

☐ Use basic authentication

Return a UTF-8 string

Name http GR find title



XML to JSON

Convert Goodreads API
response into JSON format

Edit http request node

Delete

Cancel

Done

Method

GET

URL

https://www.goodreads.com/search/index.xml?q:

☐

Enable secure (SSL/TLS) connection

☐

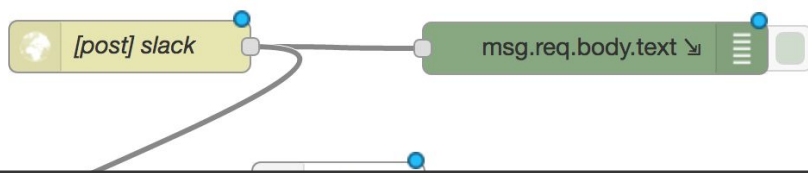
Use basic authentication

Return

a UTF-8 string

Name

http GR find title



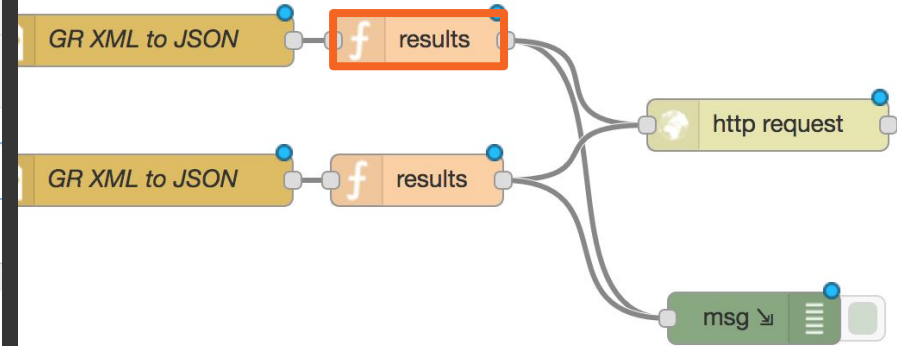
Edit function node

Delete

Name results

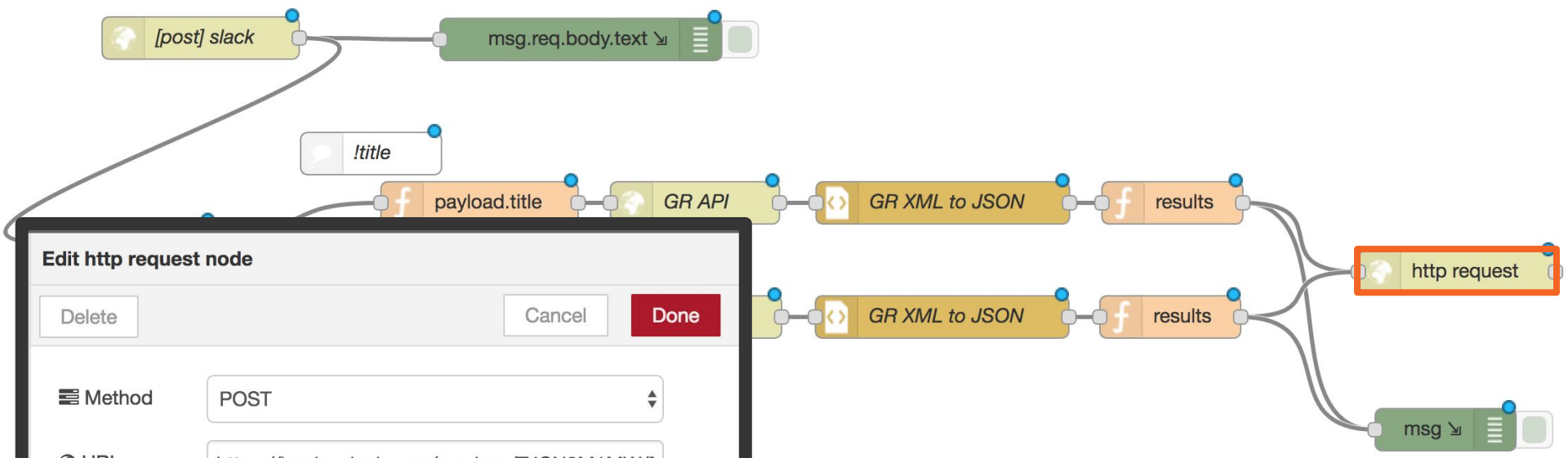
Function

```
1 var work = msg.payload.GoodreadsResponse.search[0].results[0]
2 var msg;
3 if (work == undefined) {
4   msg = "*There are no books matching your search term";
5 } else {
6   msg = "*Books matching your search term:\r\n ";
7   for (var idx = 1; idx < work.length; idx++) {
8     var resultBook = work[idx-1].best_book[0];
9     var resultRating = work[idx-1].average_rating[0];
10    msg += "\r\n" + idx + ": " + resultBook.title + " by
11      //resultBook.author[0].name[0]
12
13
14  }
15  return {
16    payload: {
17      text: msg
18    }
19  };
```



Prettify Data

Retrieve data and format it.
To be sent back to client.



Edit http request node

Delete

Cancel

Done

Method POST

URL <https://hooks.slack.com/services/T4SN2M1MW/I>

☐ Enable secure (SSL/TLS) connection

☐ Use basic authentication

Return a parsed JSON object

Name Name

Tip: If the JSON parse fails the fetched string is returned as-is.

Sending Back

HTTP POST method to
send message back to user

Demo



adamctj 10:24 PM

!author walter isaacson



incoming-webhook APP 10:24 PM

*Books matching your search term:

- 1: Steve Jobs | Rating: 4.09/5
- 2: Einstein: His Life and Universe | Rating: 4.07/5
- 3: Benjamin Franklin: An American Life | Rating: 3.96/5
- 4: The Innovators: How a Group of Hackers, Geniuses and Geeks Created the Digital Revolution
- 5: The Wise Men: Six Friends and the World They Made | Rating: 4.04/5
- 6: Einstein | Rating: 4.18/5
- 7: Kissinger | Rating: 3.92/5
- 8: American Sketches: Great Leaders, Creative Thinkers, and Heroes of a Hurricane | Rating: 4.07/5
- 9: Profiles in Leadership: Historians on the Elusive Quality of Greatness | Rating: 3.75/5
- 10: People of the Century: One Hundred Men & Women Who Shaped the Last One Hundred Years
- 11: Summary of Steve Jobs - WALTER ISAACSON | Rating: 3.20/5
- 12: Kissinger: A Biography Part 1 Of 2 | Rating: 3.62/5
- 13: Lecciones de liderazgo de Steve Jobs | Rating: 3.71/5
- 14: Steve Jobs by Walter Isaacson ;A Review | Rating: 4.33/5
- 15: Steve Jobs by Walter Isaacson | Rating: 5.00/5
- 16: Great Innovators: Steve Jobs, Benjamin Franklin, Einstein | Rating: 4.06/5
- 17: Quicklet on Steve Jobs by Walter Isaacson (Book Summary) | Rating: 4.67/5
- 18: The Innovators by Walter Isaacson | Conversation Starters | Rating: [object Object]/5
- 19: Pro and Con | Rating: 4.07/5

Demo

adamctj 10:23 PM

!title the subtle art of not giving a



incoming-webhook APP 10:23 PM

*Books matching your search term:

- 1: The Subtle Art of Not Giving a F*ck: A Counterintuitive Approach to Living a Good Life
4.05/5
- 2: The Subtle Art of Not Giving A F*ck Coloring Book by J.K. Rowlingam | Rating: [object]
- 3: the subtle art of not giving a fuck- mark manson by mark manson | Rating: 4.25/5
- 4: Summary of The Subtle Art Of Not Giving A F*ck: by Mark Manson by BreakfastBookC
- 5: Summary and Analysis: The Subtle Art of Not Giving a F*ck by Mark Manson by Flash E
- 6: Summary - The Subtle Art of Not Giving a F*ck: By Mark Manson - A Counterintuitive A
(the subtle art of not giving a f--- ... Paperback, Audiobook, Audible, Cd Book 1) by Ez- Su
- 7: The Subtle Art of Giving a F*ck About Yourself by Dimitris Chasapis | Rating: 5.00/5
- 8: Summary of The Subtle Art of Not Giving a F*ck: by Mark Manson | Includes Key Takea
Rating: 4.50/5
- 9: Summary, Analysis & Review of Mark Manson's the Subtle Art of Not Giving A F*ck by
5.00/5
- 10: 25-Minute Summary: The Subtle Art of Not Giving A F*ck: A Counterintuitive Approa
Call of the Wise | Rating: 4.00/5
- 11: Summary of the Subtle Art of Not Giving a F*ck: By Mark Manson, Includes Key Takea
Rating: [object Object]/5
- 12: Summary of The Subtle Art of Not Giving a F*ck by Mark Manson: A Counterintuitive
by Summary Kings | Rating: 4.00/5

Thanks!
