RSS Feed Documentation:

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| Title | A summary feed listing the title, author, date, and link for the 10 most recent articles. |
| URL | /summary\_feed |
| Method | GET |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code: 409 Failed |

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| Title | A full feed containing the full text for each article, its tags as RSS [categories](https://www.w3schools.com/xml/rss_tag_category_item.asp), and a [comment count](https://developer.mozilla.org/en-US/docs/Archive/RSS/Article/Why_RSS_Slash_is_Popular_-_Counting_Your_Comments). |
| URL | /full\_feed/ |
| Method | GET |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code: 409 Failed |

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| Title | A comment feed for each article. |
| URL | /comment\_feed |
| Method | GET |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code: 409 Failed |

Load balanced API documentation:

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| Title | Post a new article and Add tags for a new URL |
| URL | /new\_article  /new\_tags/<article\_id> |
| Method | POST |
| Auth Params | Required: username, password |
| Data Params | {  article\_content: [string], article\_title: [string],  }  {  tags: [[string],[string]..]  } |
| Success Response | Code:201 SUCCESS |
| Error  Response | Code: 409 Failed  Code: 401: User does not exist or Could not verify the credentials |

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| --- | --- |
| Title | Retrieve an individual article |
| URL | /articles/<article\_id> |
| Method | GET |
| URL Params | Required: article\_id =[number] |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:404 NOT FOUND  Code: 409 Failed |

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| --- | --- |
| Title | Retrieve the entire contents (including article text) for the n most recent articles |
| URL | /articles |
| Method | GET |
| Data Params | {  n: [number],  } |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:404 NOT FOUND  Code: 409 Failed |

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| --- | --- |
| Title | Retrieve metadata for the n most recent articles, including title, author, date, and URL |
| URL | /articles\_metadata |
| Method | GET |
| Data Params | {  n: [number]  } |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:404 NOT FOUND  Code: 409 Failed |

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| Title | Edit an individual article. The last-modified timestamp should be updated. |
| URL | /articles/<article\_id> |
| Method | PUT |
| Auth Params | Required: username, password |
| Data Params | {  article\_content: [string], article\_title: [string], tags: [[string],[string]..]  } |
| URL Params | Required: article\_id =[number] |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:409 Failed  Code:401 User does not exist or Could not verify the credentials |

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| --- | --- |
| Title | Delete a specific existing article |
| URL | /articles/<article\_id> |
| Method | DELETE |
| Auth Params | Required: username, password |
| URL Params | Required: article\_id =[number] |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:409 Failed  Code:401 User does not exist or Could not verify the credentials |

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| --- | --- |
| Title | Add tags to an existing URL |
| URL | /new\_tag/<article\_id> |
| Method | POST |
| Auth Params | Required: username, password |
| URL Params | Required: article\_id =[number] |
| Data Params | {  tags: [[string],[string]..]  } |
| Success Response | Code:201 SUCCESS |
| Error  Response | Code: 409 Failed  Code: 401: User does not exist or Could not verify the credentials |

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| --- | --- |
| Title | Remove one or more tags from an individual URL |
| URL | /remove\_tags/<article\_id> |
| Method | DELETE |
| Auth Params | Required: username, password |
| URL Params | Required: article\_id =[number] |
| Data Params | {  tags: [[string],[string]..]  } |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:409 Failed  Code:401 User does not exist or Could not verify the credentials |

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| --- | --- |
| Title | Retrieve the tags for an individual URL |
| URL | /get\_articles\_for\_tag/<tag\_id> |
| Method | GET |
| URL Params | Required: tag\_id =[number] |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:404 NOT FOUND  Code: 409 Failed |

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| --- | --- |
| Title | Retrieve a list of URLs with a given tag |
| URL | /get\_tags/<article\_id> |
| Method | GET |
| URL Params | Required: article\_id =[number] |
| Success Response | Code:200 SUCCESS |
| Error  Response | Code:404 NOT FOUND  Code: 409 Failed |

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| --- | --- |
| Title | Create new user |
| URL | http://localhost:5000/create\_user |
| Method | POST |
| Data Params | {    username: [string], password: [string]    } |
| Success Response | Code:201 User Created successfully |
| Error  Response | Code:409 User Already Exists |

|  |  |
| --- | --- |
| Title | Delete existing user |
| URL | http://localhost:5000/delete\_user |
| Method | DELETE |
| Auth Params | Required: username, password |
| Success Response | Code:201 User Deleted Successfully |
| Error  Response | Code:  409 Failed to Delete the User  401 User does not exists.' 'Please provide user credentials |

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| --- | --- |
| Title | Change existing user’s password |
| URL | http://localhost:5000/change\_password |
| Method | PATCH |
| Auth Params | Required: username, password |
| Data Params | {    username: [string], password: [string], old\_password: [string]    } |
| Success Response | Code:200 Password Updated SucessFully |
| Error  Response | Code:409 Failed to Update the Password  Code:401 Could not verify |

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| --- | --- |
| Title | Post a new comment on an article |
| URL | http://localhost:5300/new\_comment |
| Method | POST |
| Auth Params | Required: username, password |
| Data Params | {  article\_id : String  comment\_content: String  } |
| Success Response | Code:201 SUCCESS |
| Error  Response | 409 Failed  401 Could not verify |

|  |  |
| --- | --- |
| Title | Delete an individual comment |
| URL | http://localhost:5300/comments/<comment\_id> |
| Method | DELETE |
| URL Params | Required: comment\_id =[number] |
| Auth Params | Required: username, password |
| Success Response | Code:200 SUCCESS |
| Error  Response | 409 Failed |

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| --- | --- |
| Title | Retrieve the number of comments on a given article |
| URL | http://localhost:5300/comments/getncomments/<article\_id> |
| Method | GET |
| URL Params | Required: article\_id =[number] |
| Success Response | Code:200 SUCCESS |
| Error  Response | 409 Failed |

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| --- | --- |
| Title | Retrieve the *n* most recent comments on a URL |
| URL | http://localhost:5300/comments/getncomments/<article\_id> |
| Method | GET |
| URL Params | Required: article\_id =[number] |
| Data Params | {  n: [number]  } |
| Success Response | Code:200 SUCCESS |
| Error  Response | 409 Failed |