Contents:
Getting Started - API URLs

These are the urls to call class data API from each respective school (from UMCP, TU, etc)

- url http://hackathon.bookholders.com/classdata/v1/s16/UMCP
- url http://hackathon.bookholders.com/classdata/v1/s16/TU
- url http://hackathon.bookholders.com/classdata/v1/s16/HU
- url http://hackathon.bookholders.com/classdata/v1/s16/JHU
- url http://hackathon.bookholders.com/classdata/v1/s16/Morgan
- url http://hackathon.bookholders.com/classdata/v1/s16/VT
- url http://hackathon.bookholders.com/classdata/v1/s16/VCU
- url http://hackathon.bookholders.com/classdata/v1/s16/WVU
- url http://hackathon.bookholders.com/classdata/v1/s16/USF
- url http://hackathon.bookholders.com/classdata/v1/s16/UT
- url http://hackathon.bookholders.com/classdata/v1/s16/RU

school UMCP, TU, HU, JHU, Morgan, VT, VCU, WVU, USF, UT, RU

They can go as specific as school, Department Request, Class Request and Section Request

Check out a Example of how to use Python with the API to get started.

Check out a Example of how to use JavaScript with the API to get started.
Department Request

This is example request of department for a certain school.

url  http://hackathon.bookholders.com/classdata/v1/s16/<school>
school  UMCP,TU,HU,JHU,Morgan,VT,VCU,WVU,USF,UT,RU

Here is a working example:  http://hackathon.bookholders.com/classdata/v1/s16/UMCP

Example request:

GET /classdata/UMCP

Example response:

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    "name": "Animal Science"
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]
Chapter 2. Department Request

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Chapter 2. Department Request
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This is example request of class for a certain school.

url http://hackathon.bookholders.com/classdata/v1/F15/<school>/<class>
school UMCP, TU, HU, JHU, Morgan, VT, VCU, WVU, USF, UT, RU
class AASP, ANTH

Here is a working example: http://hackathon.bookholders.com/classdata/v1/F15/UMCP/AASP

Example request:

GET /classdata/UMCP/aasp

Example response:

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    "semester": "F15",
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"title":"Special Topics in Black Culture; African American and Latino Social, Cultural and Political Relations: 1940 to Present"
},
[ { "department": "AASP", "class": "AASP498V", "semester": "F15", "title": "Special Topics in Black Culture; African American Urban History 1877-Present" }, { "department": "AASP", "class": "AASP499N", "semester": "F15", "title": "Advanced Topics in Public Policy and the Black Community; Gentrification: The Evolution of Urban Neighborhoods" }, { "department": "AASP", "class": "AASP499P", "semester": "F15", "title": "Advanced Topics in Public Policy and the Black Community; African-American Politics from Frederick Douglass to Barack Obama" } ]
Section Request

This is example request of class section for a certain school.

url  http://hackathon.bookholders.com/classdata/v1/F15/<school>/<class>/<section>
school  UMCP,TU,HU,JHU,Morgan,VT,VCU,WVU,USF,UT,RU
class  AASP,ANTH207
section  AASP101,ANTH207

Here is a working example: http://hackathon.bookholders.com/classdata/v1/F15/UMCP/aasp/aasp100

Example request:

GET /classdata/UMCP/aasp/aasp100

Example response:

```json
[
    {
        "endtime": "10:50am",
        "starttime": "10:00am",
        "section": "0101",
        "room": "1114",
        "days": "MWF",
        "building": "WDS",
        "date": "08/31/2015-12/11/2015",
        "semester": "F15",
        "open": 0,
        "class": "AASP100",
        "professor": "Shane Walsh",
        "seats": 21
    },
    {
        "endtime": "12:50pm",
        "starttime": "12:00pm",
        "section": "0201",
        "room": "1100",
        "days": "MWF",
        "building": "ITV",
        "date": "08/31/2015-12/11/2015",
        "semester": "F15",
        "open": 1,
        "class": "AASP100",
        "professor": "Shane Walsh",
    }
]
```
"seats": 21,
},
{
"endtime": "10:45am",
"starttime": "9:30am",
"section": "0301",
"room": "1114",
"days": "TuTh",
"building": "TYD",
"date": "08/31/2015-12/11/2015",
"semester": "F15",
"open": 0,
"class": "AASP100",
"professor": "Jonathan England",
"seats": 21
},
{
"endtime": "1:45pm",
"starttime": "12:30pm",
"section": "0401",
"room": "0109",
"days": "TuTh",
"building": "HBK",
"date": "08/31/2015-12/11/2015",
"semester": "F15",
"open": 0,
"class": "AASP100",
"professor": "Jonathan England",
"seats": 18
},
{
"endtime": "12:15pm",
"starttime": "11:00am",
"section": "0501",
"room": "0215",
"days": "TuTh",
"building": "SYM",
"date": "08/31/2015-12/11/2015",
"semester": "F15",
"open": 0,
"class": "AASP100",
"professor": "Jason Nichols",
"seats": 21
},
{
"endtime": "3:15pm",
"starttime": "2:00pm",
"section": "0601",
"room": "1101",
"days": "TuTh",
"building": "TYD",
"date": "08/31/2015-12/11/2015",
"semester": "F15",
"open": 0,
"class": "AASP100",
"professor": "Jason Nichols",
"seats": 21
}
CHAPTER 5

Search Request

This is example request of search.

**url**  http://hackathon.bookholders.com/classdata/v1/s16/\(<school>/search?professor=\(<\text{professor}>\&days=\(<\text{days}>\&building=\(<\text{building}>\&room=\(<\text{room}>\&section=\(<\text{section}>

**school**  UMCP,TU,HU,JHU,Morgan,VT,VCU,WVU,USF,UT,RU

**days**  m,tu,w,th,f

**building**  key

**room**  0126

**section**  0101

Here is a working example:  http://hackathon.bookholders.com/classdata/v1/s16/UMCP/search?professor=wien&days=tu&building=key&room=0126&section=0101

**Example request:**

```
GET /classdata/v1/s16/UMCP/search?professor=wien&days=tu&building=key&room=0126&section=0101
```

**Example response:**

```json
[
  {
    "seats":40,
    "semester":"S16",
    "date":"01/25/2015-05/10/2015",
    "starttime":"9:30am",
    "open":10,
    "professor":"Peter Wien",
    "room":"0126",
    "section":"0101",
    "class":"HIST245",
    "building":"KEY",
    "days":"TuTh",
    "endtime":"10:45am"
  }
]
```
Example of Error Response

This is example of an error response.

url  http://hackathon.bookholders.com/classdata/v1/s16/umcp/udcp
school  UMCP

Example request:
GET /classdata/UMCP/udcp

Example response:

```
{
   "nodata":"yes"
}
```
Example of how to use Python with the API

Example:

```python
import urllib.request
import json

school = "UMCP"
department = "AASP"

url = "http://hackathon.bookholders.com/classdata/v1/F15/{}/{}".format(school,department)

response = urllib.request.urlopen(url)
data = str(response.read(), 'utf-8')

print(data)

response_json = json.loads(data)

for each_class in response_json:
    print(each_class['title'])
```

Example request:

http://hackathon.bookholders.com/classdata/v1/F15/UMCP/AASP

Example response:

```
["department": "AASP", "class": "AASP100", "semester": "F15", "title": "Introduction to African American Studies"],
Introduction to African American Studies,
Introduction to African American Studies,
Public Policy and the Black Community,
The New Jim Crow: African-Americans, Mass Incarceration and the Prison Industrial Complex,
African Civilization,
Black Culture in the United States,
Black Culture in the United States,
Creative Writing Through The Eyes of African Americans: A Beginning Workshop,
Research Methods in African American Studies,
Special Topics in African American Studies; African-American History to 1865,
Special Topics in African American Studies; Introduction to Black Women's Studies,
Special Topics in Afro-American Studies: African-American Literature and Culture,
Black Women in United States History
```
The Civil Rights Movement
Experiential Learning
Fundamentals of Quantitative Research in Socio-Cultural Perspective
Independent Study Non-Thesis Option
Senior Thesis
Selected Topics in the African Diaspora; Gender, Labor, and Racial Identity in Diaspora Communities
Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban History 1877-Present
Directed Readings in African American Studies
Directed Readings in African American Studies
Humanities Topics in African American Studies; African-American Literature: 1910-1945
Special Topics in Black Culture; African American and Latino Social, Cultural and Political Relations
Special Topics in Black Culture; African American Urban History 1877-Present
Advanced Topics in Public Policy and the Black Community; Gentrification: The Evolution of Urban Neighborhoods Advanced Topics in Public Policy and the Black Community; African-American Politics from Frederick Douglass to Barack Obama
Example of how to use JavaScript with the API