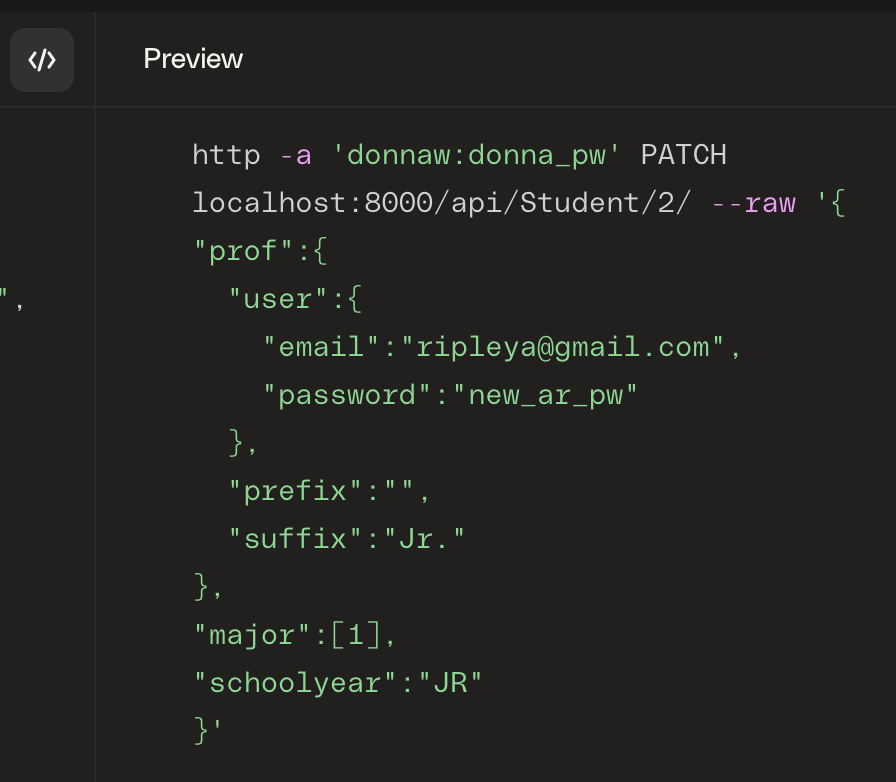
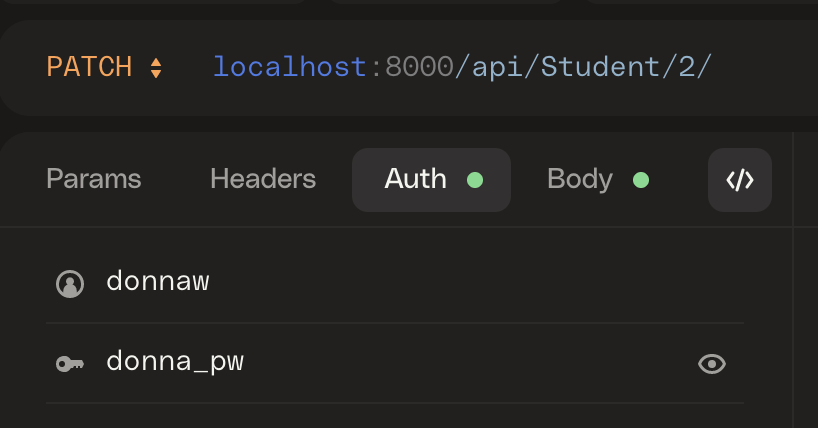
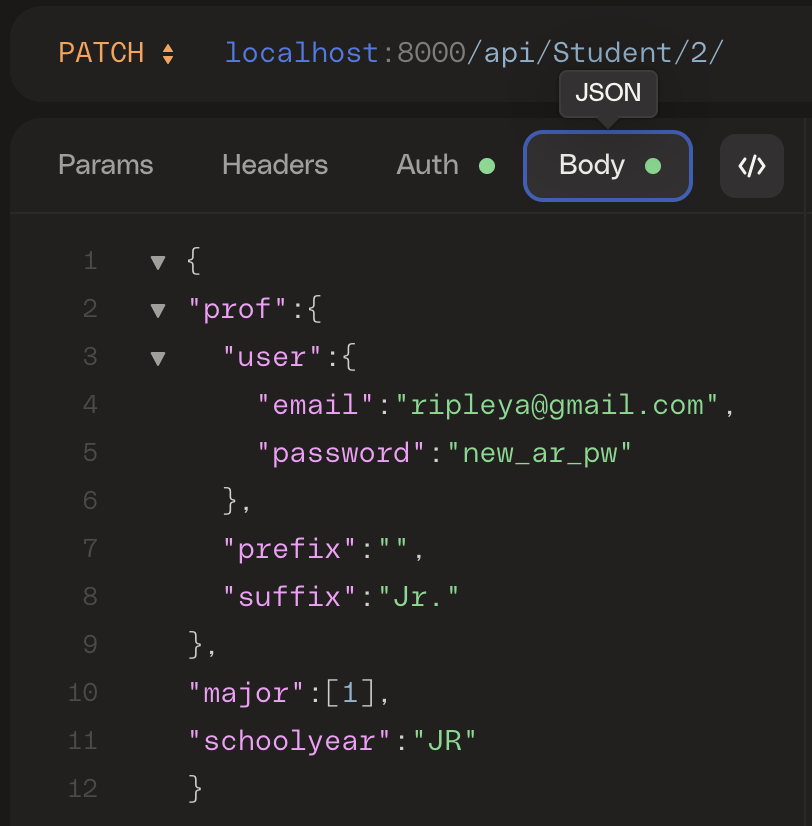
**Kollen – Sample API testing calls in HTTPie**

Note: The requests pasted here are the HTTPie commands as seen in the “preview” section in HTTPie app, seen below:



When executing in the HTTPie app itself, the request details are separated into the “Auth” and “Body” sections in order to pass with the API request.





**GENERIC PAGE ACCESS TESTS:**

* Access server default path (list path options page)

http GET localhost:8000/

* Access server home path (list path options page)

http GET localhost:8000/home/

* Access API default path (list API model-tables counts/entries)

http GET localhost:8000/api/

* Access API docs page (drf-spectacular)

http GET localhost:8000/api/docs/

**API CALLS TESTS:**

* Create student (Kollen) -- note: this sample user is now also created in the db\_startup command

http POST localhost:8000/api/Student/register/ --raw '{

"prof":{

"user":{

"username":"kolleng",

"email":"gruizengak@xavier.edu",

"first\_name":"Kollen",

"last\_name":"Gruizenga",

"password":"test\_kg\_pw"

},

"suffix":"II"

},

"major":[1, 5],

"minor":[1],

"schoolyear":"SR"

}'

* Retrieve student (Kollen)

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Student/1/

* Create student (Aaron) -- note: this sample user is now also created in the db\_startup command

http POST localhost:8000/api/Student/register/ --raw '{

"prof":{

"user":{

"username":"aaronr",

"email":"ripleya@xavier.edu",

"first\_name":"Aaron",

"last\_name":"Ripley",

"password":"test\_ar\_pw"

},

"prefix":"Mr."

},

"major":[1],

"schoolyear":"JR"

}'

* Retrieve student (Aaron)

http -a 'aaronr:test\_ar\_pw' GET localhost:8000/api/Student/2/

* Student list students

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Student/list/

* Professor retrieve student (Aaron)

http -a 'mikeyg:mikey\_scotch' GET localhost:8000/api/Student/2/

* Professor list students

http -a 'mikeyg:mikey\_scotch' GET localhost:8000/api/Student/list/

* AA list students

http -a 'donnaw:donna\_pw' GET localhost:8000/api/Student/list/

* Student partial-update self (Aaron)

http -a 'aaronr:test\_ar\_pw' PATCH localhost:8000/api/Student/2/ --raw '{

"prof":{

"user":{

"email":"ripleya@gmail.com",

"password":"new\_ar\_pw"

},

"prefix":"",

"suffix":"Jr."

},

"major":[1],

"schoolyear":"JR"

}'

* Student (try) partial-update student (Aaron)

http -a 'kolleng:test\_kg\_pw' PATCH localhost:8000/api/Student/2/ --raw '{

"prof":{

"user":{

"email":"ripleya@gmail.com",

"password":"new\_ar\_pw"

},

"prefix":"",

"suffix":"Jr."

},

"major":[1],

"schoolyear":"JR"

}'

* Professor (try) partial-update student (Aaron)

http -a 'mikeyg:mikey\_scotch' PATCH localhost:8000/api/Student/2/ --raw '{

"prof":{

"user":{

"email":"ripleya@gmail.com",

"password":"new\_ar\_pw"

},

"prefix":"",

"suffix":"Jr."

},

"major":[1],

"schoolyear":"JR"

}'

* AA partial-update student (Aaron)

http -a 'donnaw:donna\_pw' PATCH localhost:8000/api/Student/2/ --raw '{

"prof":{

"user":{

"email":"ripleya@gmail.com",

"password":"new\_ar\_pw"

},

"prefix":"",

"suffix":"Jr."

},

"major":[1],

"schoolyear":"JR"

}'

* Student (try) delete student (Aaron)

http -a 'kolleng:test\_kg\_pw' DELETE localhost:8000/api/Student/2/ --raw ''

* Professor (try) delete student (Aaron)

http -a 'mikeyg:mikey\_scotch' DELETE localhost:8000/api/Student/2/ --raw ''

* AA delete student (Aaron)

http -a 'donnaw:donna\_pw' DELETE localhost:8000/api/Student/2/ --raw ''

* Student delete self (Aaron)

http -a 'aaronr:test\_ar\_pw' DELETE localhost:8000/api/Student/2/

* Professor (try) create professor

http -a 'mikeyg:mikey\_scotch' POST localhost:8000/api/Professor/register/ --raw '{

"prof":{

"user":{

"username":"test",

"email":"test@xavier.edu",

"first\_name":"Nice",

"last\_name":"Test",

"password":"test\_pw"

},

"prefix":"Dr."

},

"department":4,

"degree\_desc":"PhD in Alpha from Penn State"

}'

* AA create professor

http -a 'donnaw:donna\_pw' POST localhost:8000/api/Professor/register/ --raw '{

"prof":{

"user":{

"username":"sommern",

"email":"sommern@xavier.edu",

"first\_name":"Nathan",

"last\_name":"Sommer",

"password":"social\_hr"

},

"prefix":"Dr."

},

"department":4,

"degree\_desc":"PhD in Computer Science from University of Cincinnati"

}'

* Student list professors

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Professor/list/

* Student retrieve professor

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Professor/2/

* Professor retrieve other professor

http -a 'mikeyg:mikey\_scotch' GET localhost:8000/api/Professor/2/

* Professor list professors

http -a 'mikeyg:mikey\_scotch' GET localhost:8000/api/Professor/list/

* AA retrieve professor

http -a 'donnaw:donna\_pw' GET localhost:8000/api/Professor/1/

* AA list professors

http -a 'donnaw:donna\_pw' GET localhost:8000/api/Professor/list/

* Professor partial-update self

http -a 'sommern:social\_hr' PATCH localhost:8000/api/Professor/2/ --raw '{

"prof":{

"user":{

"username":"sommernNEW",

"email":"sommern@xavier.edu"

}

},

"department":5,

"degree\_desc":"PhD in Alpha from Penn State UNIVERSITY"

}'

* AA partial-update professor

http -a 'donnaw:donna\_pw' PATCH localhost:8000/api/Professor/2/ --raw '{

"prof":{

"user":{

"username":"sommernTEST",

"email":"sommern@xavier.edu"

}

},

"department":5,

"degree\_desc":"PhD in Alpha from Penn State University"

}'

* Student (try) partial-update professor

http -a 'kolleng:test\_kg\_pw' PATCH localhost:8000/api/Professor/2/ --raw '{

"prof":{

"user":{

"username":"sommern",

"email":"sommern@xavier.edu"

}

},

"department":5,

"degree\_desc":"PhD in Alpha from Penn State UNIVERSITY"

}'

* Professor full update self

http -a 'sommernTEST:social\_hr' PUT localhost:8000/api/Professor/2/ --raw '{

"prof":{

"user":{

"username":"sommern",

"email":"sommern@xavier.edu",

"first\_name":"Nathan",

"last\_name":"Sommer",

"password":"social\_hr"

},

"prefix":"Dr."

},

"department":4,

"degree\_desc":"BS in Computer Science from Earlham College - 2004, PhD in Computer Science from University of Cincinnati - 2020"

}'

* Student (try) delete professor

http -a 'kolleng:test\_kg\_pw' DELETE localhost:8000/api/Professor/2/ --raw ''

* Professor (try) delete other professor

http -a 'mikeyg:mikey\_scotch' DELETE localhost:8000/api/Professor/2/ --raw ''

* AA delete professor

http -a 'donnaw:donna\_pw' DELETE localhost:8000/api/Professor/2/ --raw ''

* Professor delete self

http -a 'sommern:social\_hr' DELETE localhost:8000/api/Professor/2/ --raw ''

* AA create AA

http -a 'donnaw:donna\_pw' POST localhost:8000/api/AdminAssistant/register/ --raw '{

"prof":{

"user":{

"username":"d2test",

"email":"dw2@xavier.edu",

"first\_name":"Donna2",

"last\_name":"Test",

"password":"d2test\_pw"

},

"prefix":"Mrs."

},

"department":4

}'

* Professor (try) create AA

http -a 'mikeyg:mikey\_scotch' POST localhost:8000/api/AdminAssistant/register/ --raw '{

"prof":{

"user":{

"username":"AAtest",

"email":"aa@xavier.edu",

"first\_name":"newAA",

"last\_name":"Test",

"password":"test\_pw"

},

"prefix":"Mr."

},

"department":4

}'

* Professor list AAs

http -a 'sommern:social\_hr' GET localhost:8000/api/AdminAssistant/list/

* Student (try) list AAs

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/AdminAssistant/list/

* Professor retrieve AA

http -a 'mikeyg:mikey\_scotch' GET localhost:8000/api/AdminAssistant/2/

* Student (try) retrieve AA

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/AdminAssistant/2/

* AA retrieve other AA

http -a 'donnaw:donna\_pw' GET localhost:8000/api/AdminAssistant/2/

* AA list AAs

http -a 'donnaw:donna\_pw' GET localhost:8000/api/AdminAssistant/list/

* Student (try) partial-update AA

http -a 'kolleng:test\_kg\_pw' PATCH localhost:8000/api/AdminAssistant/2/ --raw '{

"prof":{

"user":{

"username":"AAtest",

"email":"aa@xavier.edu",

"first\_name":"newAA",

"last\_name":"Test"

},

"prefix":"Mr."

},

"department":4

}'

* Professor (try) partial-update AA

http -a 'mikeyg:mikey\_scotch' PATCH localhost:8000/api/AdminAssistant/2/ --raw '{

"prof":{

"user":{

"username":"AAtest",

"email":"aa@xavier.edu",

"first\_name":"newAA",

"last\_name":"Test"

},

"prefix":"Mr."

},

"department":4

}'

* AA (try) partial-update other AA

http -a 'donnaw:donna\_pw' PATCH localhost:8000/api/AdminAssistant/2/ --raw '{

"prof":{

"user":{

"username":"d2test-upd",

"email":"test@xavier.edu"

},

"prefix":"Mr."

},

"department":4

}'

* AA partial-update self

http -a 'd2test:d2test\_pw' PATCH localhost:8000/api/AdminAssistant/2/ --raw '{

"prof":{

"user":{

"username":"d2test-upd",

"email":"test@xavier.edu"

},

"prefix":"Mr."

},

"department":4

}'

* AA full update self

http -a 'd2test-upd:d2test\_pw' PUT localhost:8000/api/AdminAssistant/2/ --raw '{

"prof":{

"user":{

"username":"d2test-NEW",

"email":"dw2@xavier.edu",

"first\_name":"Donna2",

"last\_name":"Test",

"password":"d2\_new\_pw"

},

"prefix":"Mrs."

},

"department":4

}'

* Student (try) delete AA

http -a 'kolleng:test\_kg\_pw' DELETE localhost:8000/api/AdminAssistant/2/ --raw ''

* Professor (try) delete AA

http -a 'mikeyg:mikey\_scotch' DELETE localhost:8000/api/AdminAssistant/2/ --raw ''

* AA (try) delete other AA

http -a 'donnaw:donna\_pw' DELETE localhost:8000/api/AdminAssistant/2/ --raw ''

* AA delete self

http -a 'd2test:d2test\_pw' DELETE localhost:8000/api/AdminAssistant/2/ --raw ''

* Student list departments

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Departments/

* Student retrieve department

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Departments/3/

* AA (try) create department

http -a 'donnaw:donna\_pw' POST localhost:8000/api/Departments/ --raw '{

"name":"New Department"

}'

* Student list majors

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Major/

* AA create major

http -a 'donnaw:donna\_pw' POST localhost:8000/api/Major/ --raw '{

"name":"BS in Wasting Time",

"subject":"Art"

}'

* AA partial-update major

http -a 'donnaw:donna\_pw' PATCH localhost:8000/api/Major/9/ --raw '{

"name":"BS in Wasting Time & Money"

}'

* Student list minors

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Minor/

* AA create minor

http -a 'donnaw:donna\_pw' POST localhost:8000/api/Minor/ --raw '{

"name":"Stock Analysis",

"subject":"Business"

}'

* AA partial-update minor

http -a 'donnaw:donna\_pw' PATCH localhost:8000/api/Minor/7/ --raw '{

"name":"Stock Analysis & Research"

}'

* Student list HIEs

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/HighImpactExperiences/

* Professor create HIE

http -a 'mikeyg:mikey\_scotch' POST localhost:8000/api/HighImpactExperiences/ --raw '{

"name":"New CompSci HIE",

"RTX\_name":"new-hie",

"area":4,

"advisor":2,

"Freshman\_desc":"desc1",

"Sophomore\_desc":"desc2",

"Junior\_desc":"desc3",

"Senior\_desc":"desc4"

}'

* Student retrieve HIE

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/HighImpactExperiences/2/

* Professor partial-update HIE

http -a 'mikeyg:mikey\_scotch' PATCH localhost:8000/api/HighImpactExperiences/4/ --raw '{

"name":"Business HIE",

"RTX\_name":"biz-hie",

"area":6,

"Freshman\_desc":"description coming.."

}'

* Professor delete HIE

http -a 'mikeyg:mikey\_scotch' DELETE localhost:8000/api/HighImpactExperiences/3/

* Student list courses

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Courses/

* AA create course

http -a 'donnaw:donna\_pw' POST localhost:8000/api/Courses/ --raw '{

"crn":12345,

"title":"Software Engineering 2",

"course\_num":261,

"subject":4,

"instructor":2,

"credit\_hours":3,

"desc\_text":"This is a pretty interesting course."

}'

* Student retrieve course

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Courses/12345/

* Professor partial-update course

http -a 'mikeyg:mikey\_scotch' PATCH localhost:8000/api/Courses/12345/ --raw '{

"crn":10300,

"title":"Software Engineering 2",

"course\_num":261,

"desc\_text":"This is a pretty interesting course."

}'

* Professor delete course

http -a 'mikeyg:mikey\_scotch' DELETE localhost:8000/api/Courses/10300/

* Student list events

http -a 'kolleng:test\_kg\_pw' GET localhost:8000/api/Events/