

1. Install MySQL Server (or use remote cs3 server)

<https://dev.mysql.com/downloads/windows/installer/5.7.html>

General Availability (GA) Releases

Archives

MySQL Installer 5.7.33

Select Version:


5.7.33

Looking for the latest GA version?

Select Operating System:

Microsoft Windows

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-5.7.33.0.msi)	5.7.33	2.4M	Download
MD5: 4bf45b3da5a3c5e4560e5ba91b525035 Signature			
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-5.7.33.0.msi)	5.7.33	503.8M	Download
MD5: f071e12de2052db3e2131885a9b9f402 Signature			

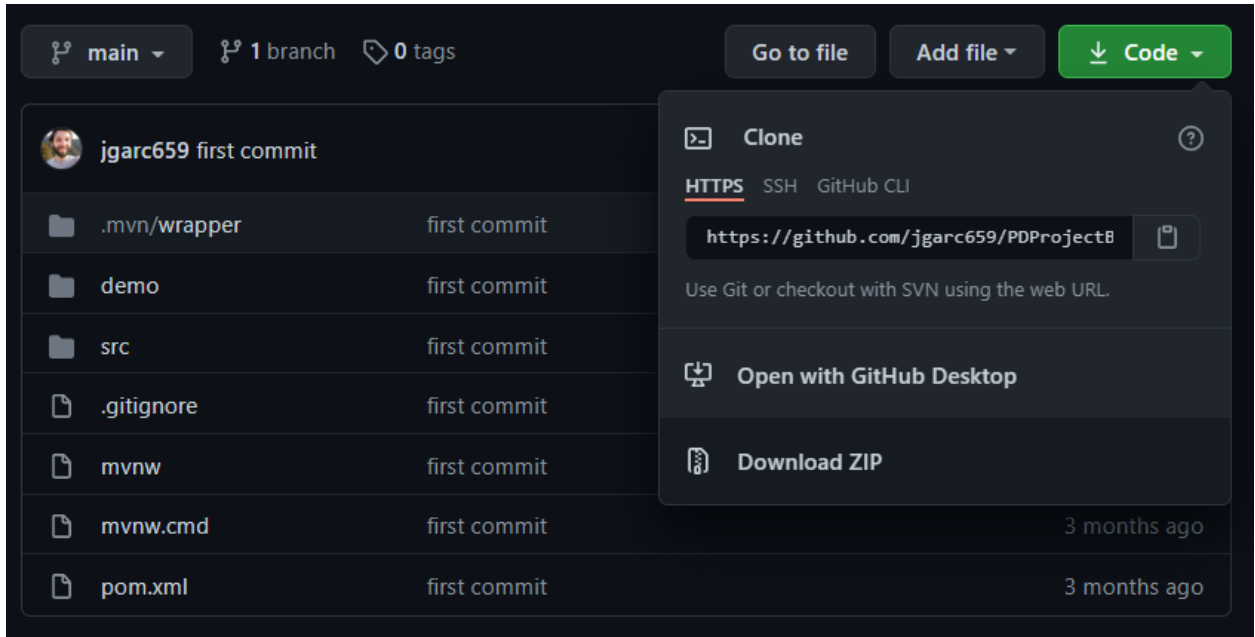
 We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

cs3 SQL Database login:

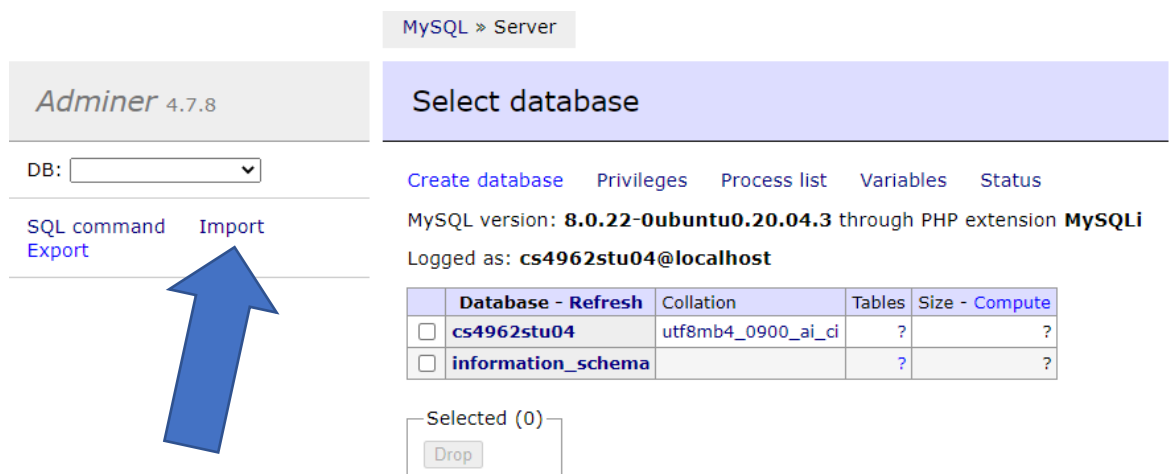
<http://cs3.calstatela.edu/adminer-mysql.php>

Enter only username and password as provided by Dr. Sun.

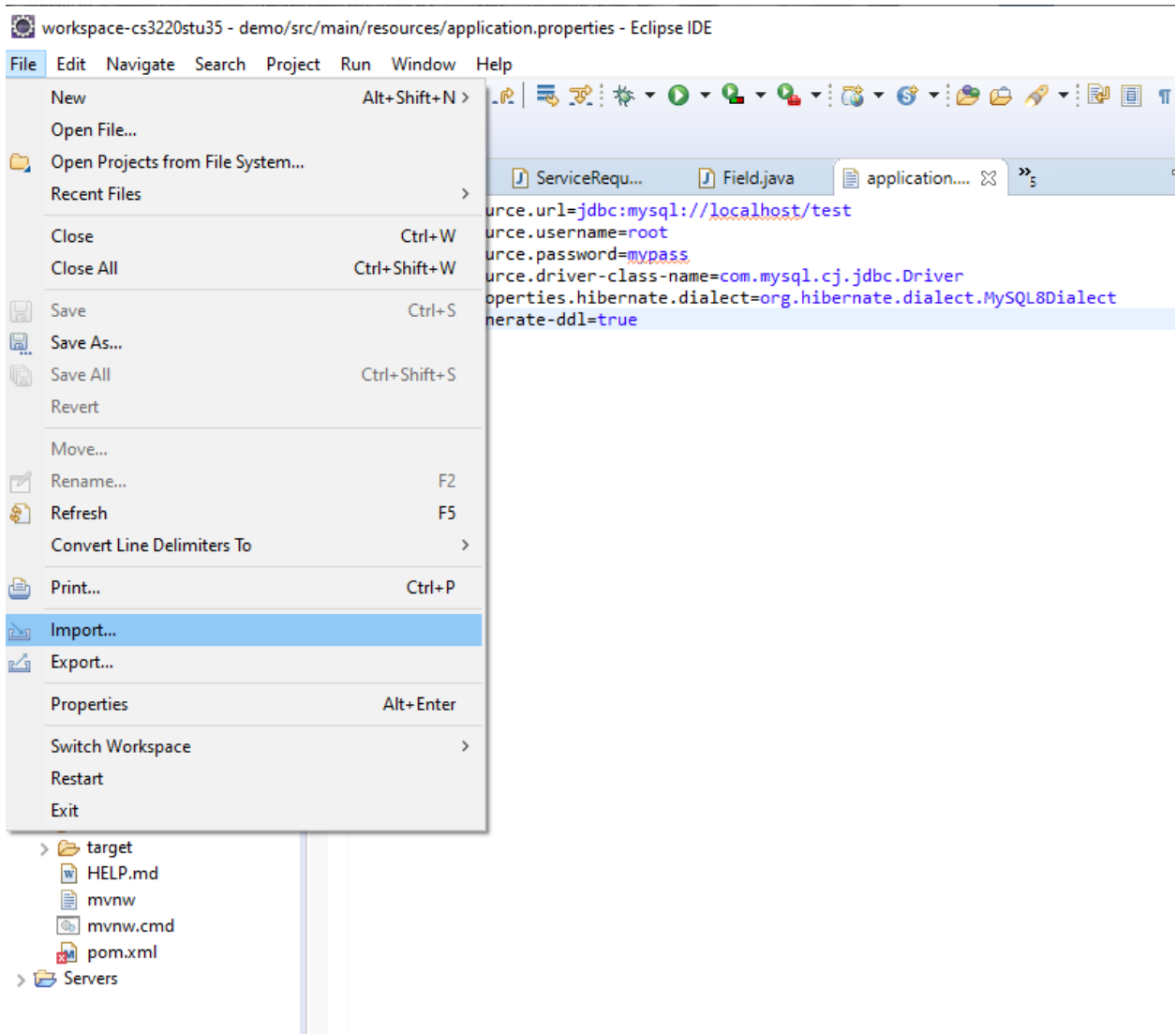
2. Download and unzip repository



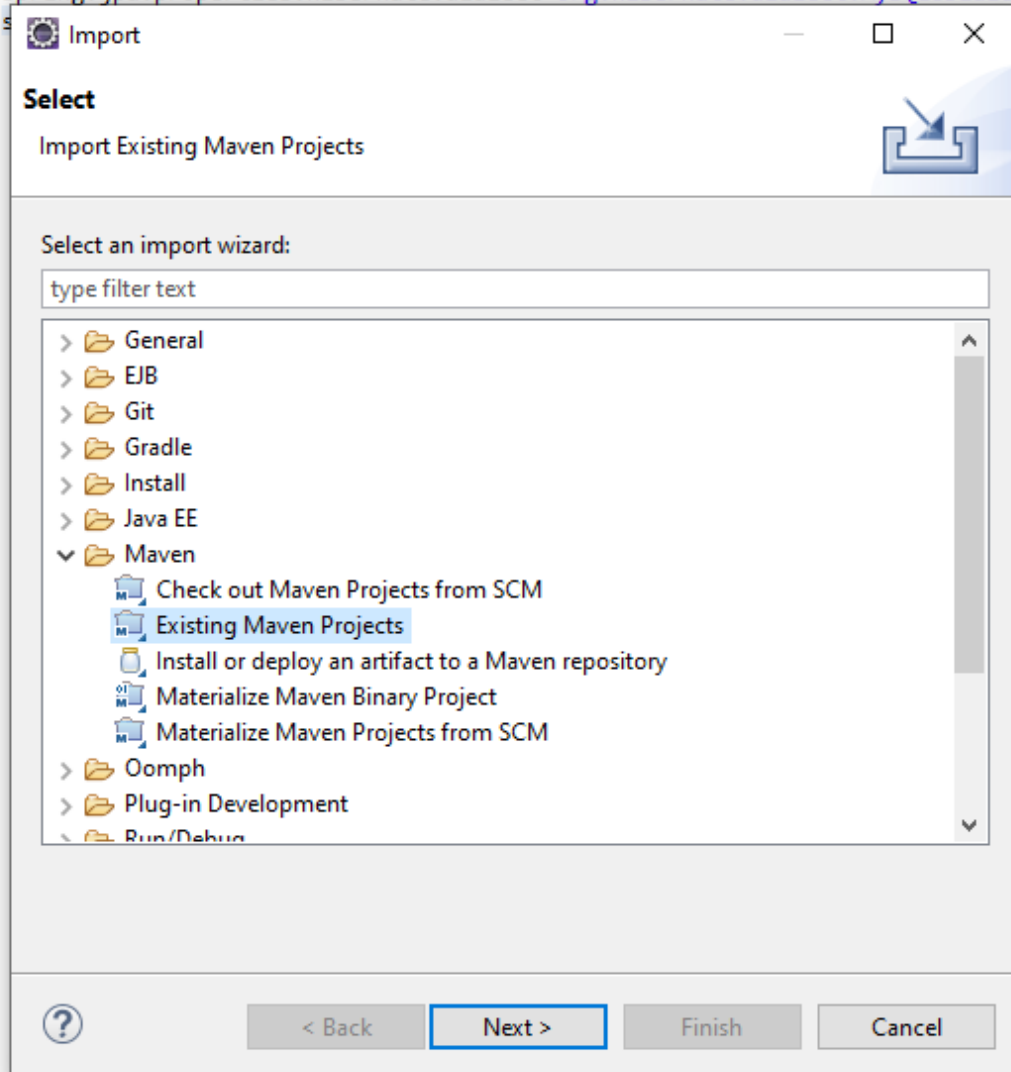
3. Import values into your SQL server from `src/main/resources/backend.sql`



4. Import Backend Application to Eclipse (or IDE of choice) as Maven project



```
1 spring.datasource.url=jdbc:mysql://localhost/test
2 spring.datasource.username=root
3 spring.datasource.password=mypass
4 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
5 spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect
6
```



Import Maven Projects

Maven Projects

⚠ Project demo is already imported into workspace

Root Directory: C:\Users\Preferred User\Desktop\demo\demo

Browse...

Projects:

☐ /pom.xml com.example:demo:0.0.1-SNAPSHOT:jar

Select All

Deselect All

Select Tree

Deselect Tree

Refresh

☐ Add project(s) to working set

demo

▶ Advanced



< Back

Next >

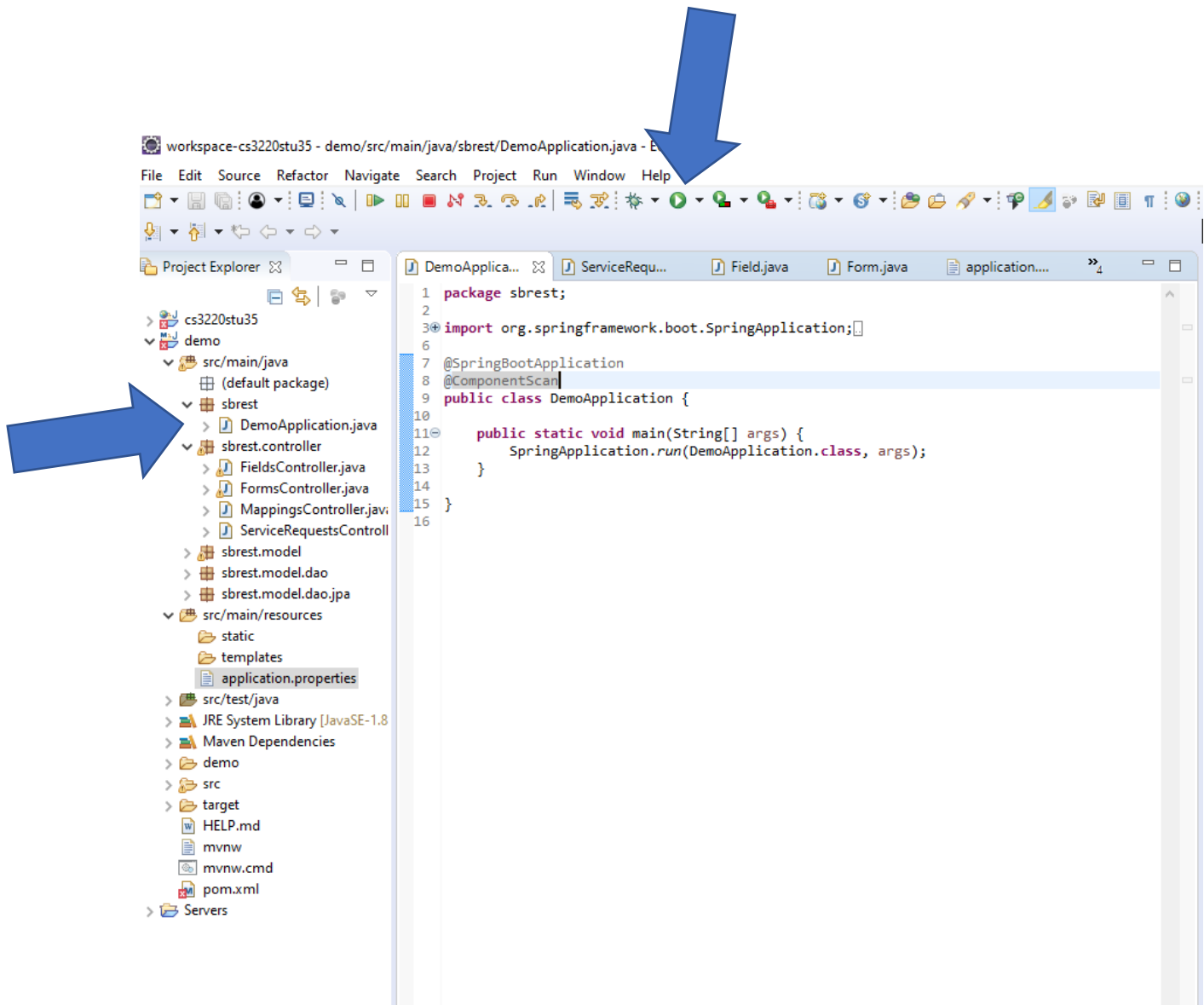
Finish

Cancel

5. Update application.properties to reflect your SQL database as noted:

- `spring.datasource.url=jdbc:mysql://{hostname}:{port}/{database}`
- `spring.datasource.username={username}`
- `spring.datasource.password={password}`

6. Run DemoApplication.java



7. Test the 4 REST Endpoints (all but service_requests are populated now)

```
[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}, {"id":25,"name":"employeeNumber","type":"text"}, {"id":26,"name":"hostedId","type":"text"}, {"id":27,"name":"departmentName","type":"text"}, {"id":28,"name":"departmentNumber","type":"text"}, {"id":53,"name":"registrationType","type":"checkbox"}, {"id":54,"name":"requestType","type":"checkbox"}, {"id":55,"name":"companyName","type":"text"}, {"id":56,"name":"companyEmailAddress","type":"text"}, {"id":57,"name":"departmentEmailAddress","type":"text"}, {"id":58,"name":"countyEmailAddress","type":"text"}, {"id":59,"name":"employeeEmailAddress","type":"text"}, {"id":60,"name":"businessStreetAddress","type":"text"}, {"id":61,"name":"businessCity","type":"text"}, {"id":62,"name":"businessState","type":"text"}, {"id":63,"name":"businessZip","type":"text"}, {"id":64,"name":"businessPhoneNumber","type":"text"}, {"id":65,"name":"workMailingAddress","type":"text"}, {"id":66,"name":"companyStreetAddress","type":"text"}, {"id":67,"name":"companyCity","type":"text"}, {"id":68,"name":"companyState","type":"text"}, {"id":69,"name":"companyZip","type":"text"}, {"id":70,"name":"companyPhoneNumber","type":"text"}]
```

```
[{"id":1,"name":"ISD Active Directory Hosted Registration Forms Contractor and Vendors","fields":[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}]}, {"id":2,"name":"ISD Active Directory Hosted Registration Forms Contractor and Vendors","fields":[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}]}, {"id":3,"name":"ISD Downey Data Center Registration Contractors and Vendors","fields":[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}]}, {"id":4,"name":"ISD Downey Data Center Registration LA County Employees","fields":[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}]}, {"id":5,"name":"ISD Internet Registration Form Contractors and Vendors","fields":[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}]}, {"id":6,"name":"ISD Internet Registration Form Permanent Employees","fields":[{"id":22,"name":"lastName","type":"text"}, {"id":23,"name":"firstName","type":"text"}, {"id":24,"name":"middleInitial","type":"text"}]}
```

```
localhost8080/mappings
localhost8080/mappings

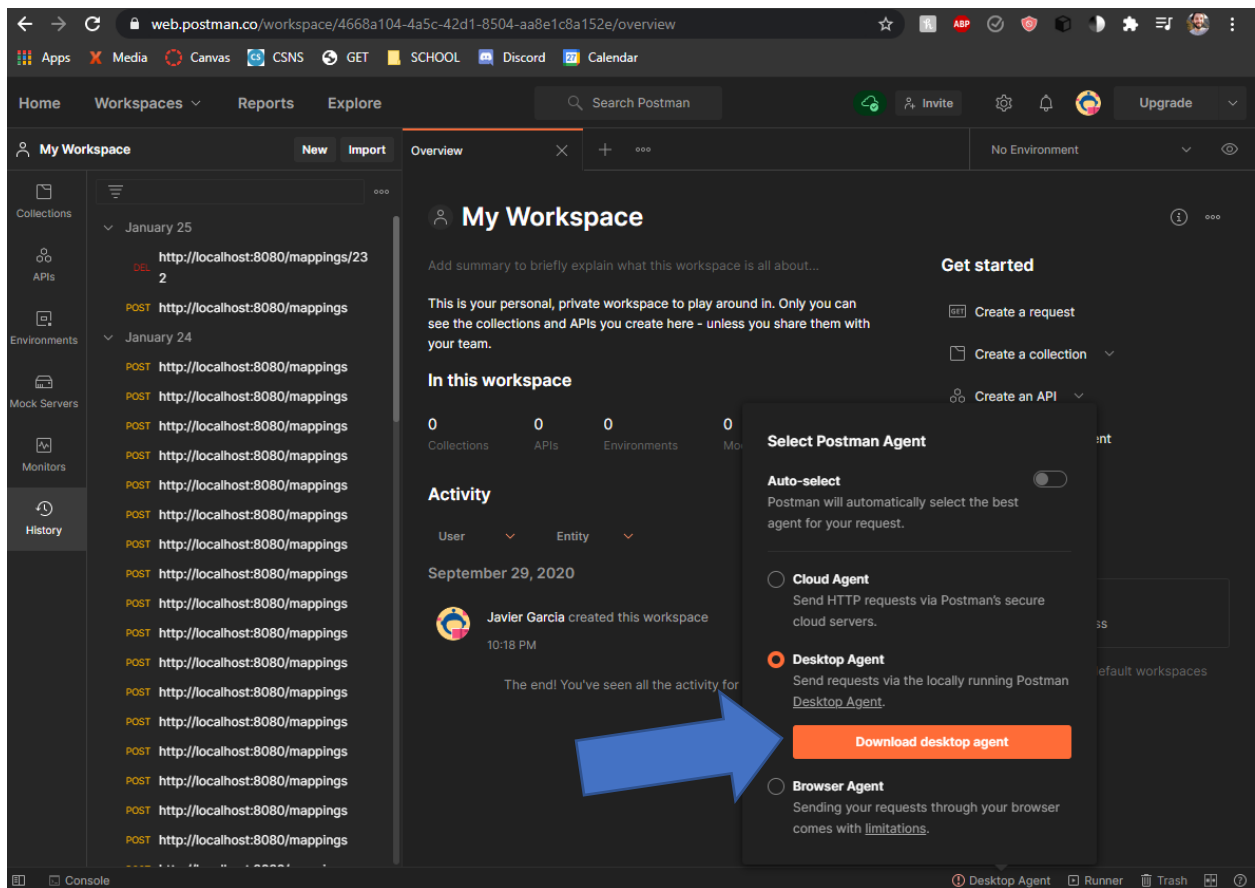
[{"id":29,"requestFieldName":"lastName","formId":1,"fieldId":"TextBox_1"},
{"id":30,"requestFieldName":"lastName","formId":2,"fieldId":"TextBox_1"},
{"id":31,"requestFieldName":"lastName","formId":5,"fieldId":"TextBox_1"},
{"id":32,"requestFieldName":"lastName","formId":6,"fieldId":"TextBox_1"},
{"id":33,"requestFieldName":"firstName","formId":1,"fieldId":"TextBox_2"},
{"id":34,"requestFieldName":"firstName","formId":2,"fieldId":"TextBox_2"},
{"id":35,"requestFieldName":"firstName","formId":5,"fieldId":"TextBox_2"},
{"id":36,"requestFieldName":"firstName","formId":6,"fieldId":"TextBox_2"},
{"id":37,"requestFieldName":"middleInitial","formId":1,"fieldId":"TextBox_3"},
{"id":38,"requestFieldName":"middleInitial","formId":2,"fieldId":"TextBox_3"},
{"id":39,"requestFieldName":"middleInitial","formId":5,"fieldId":"TextBox_3"},
{"id":40,"requestFieldName":"middleInitial","formId":6,"fieldId":"TextBox_3"},
{"id":41,"requestFieldName":"employeeNumber","formId":1,"fieldId":"TextBox_4"},
{"id":42,"requestFieldName":"employeeNumber","formId":6,"fieldId":"TextBox_4"},
{"id":43,"requestFieldName":"hostedId","formId":1,"fieldId":"TextBox_5"},
{"id":44,"requestFieldName":"departmentName","formId":1,"fieldId":"TextBox_7"},
{"id":45,"requestFieldName":"departmentName","formId":2,"fieldId":"TextBox_15"},
{"id":46,"requestFieldName":"departmentName","formId":5,"fieldId":"TextBox_15"},
{"id":47,"requestFieldName":"departmentName","formId":6,"fieldId":"TextBox_7"},
{"id":48,"requestFieldName":"departmentNumber","formId":1,"fieldId":"TextBox_8"},
{"id":49,"requestFieldName":"departmentNumber","formId":2,"fieldId":"TextBox_16"},
{"id":50,"requestFieldName":"departmentNumber","formId":5,"fieldId":"TextBox_16"},
{"id":51,"requestFieldName":"departmentNumber","formId":6,"fieldId":"TextBox_8"},
{"id":124,"requestFieldName":"companyName","formId":2,"fieldId":"TextBox_4"}]

localhost8080/service_requests
```

[]

8. (Optional) Test REST endpoints by sending sample json entries via Postman (Note: “Send” button is enabled once you Download + run Desktop Agent).

<https://web.postman.co/home>



POST

http://localhost:8080/service_requests

Send

ParamsAuthHeaders (1)Body●Pre-req. TestsSettingsCookies

Headers

	KEY	VALUE	DESCR	...	Bulk Edit	Presets
<input checked="" type="checkbox"/>	Content-Type	application/json				
	Key	Value	Description			

POST

http://localhost:8080/service_requests

Send

ParamsAuthHeaders (1)Body●Pre-req. TestsSettingsCookies

rawJSON

```
1 {
2   "createDate": "10/15/2020",
3   "submitDate": "11/01/2020",
4   "uuid": null,
5   "registrationType": "New",
6   "requestType": null,
7   "lastName": "Doe",
8   "firstName": "John",
9   "middleInitial": "F",
10  "employeeNumber": 15,
11  "hostedId": 265,
12  "departmentName": "Example Department",
13  "departmentNumber": 512,
14  "companyName": null,
15  "companyEmailAddress": null,
16  "departmentEmailAddress": "john_doe@example.com",
17  "countyEmailAddress": null,
18  "employeeEmailAddress": null
```


BodyCookiesHeadersTest Results201 Created817 ms242 BSave Response

Try sending the following:

```
{
  "createDate":"10/15/2020",
  "submitDate":"11/01/2020",
  "registrationType":"New",
  "requestType":null,
  "lastName":"Doe",
  "firstName":"John",
  "middleInitial":"F",
  "requestStatus":"Active",
  "employeeNumber":15,
  "hostedId":265,
  "departmentName":"Example Department",
  "departmentNumber":512,
  "companyName":null,
  "companyEmailAddress":null,
  "departmentEmailAddress":"john_doe@example.com",
  "countyEmailAddress":null,
  "employeeEmailAddress":null,
  "businessStreetAddress":"500 Example Ave.",
  "businessCity":"Los Angeles",
  "businessState":"CA",
  "businessZip":"90032",
  "businessPhoneNumber":"555-263-8342",
  "workMailingAddress":null,
  "companyStreetAddress":null,
  "companyCity":null,
  "companyState":null,
  "companyZip":null,
  "companyPhoneNumber":null,
  "countyPhoneNumber":null,
  "workPhoneNumber":null,
  "contractWorkOrderNumber":null,
  "contractExpirationDate":null,
  "customerSignature":null,
  "customerSignatureDate":null,
  "ibmLogOnId":null,
  "majorGroupCode":null,
  "IsoGroupCode":null,
  "securityAuthorization":null,
  "tsoAccess":false,
  "tsoGroupCode":null,
  "binNumber":null,
  "subGroup1":null,
  "subGroup2":null,
  "subGroup3":null,
}
```

```
"onlineAccess":false,
"systemApplication":null,
"groupName":null,
"oldGroup":null,
"apsAo":null,
"dmvSystemCode":null,
"jaiSystemLocation":null,
"unixRequestType":null,
"unixLogOnId":null,
"unixApplication":null,
"unixAccessGroup":null,
"unixAccountNumber":null,
"billingAccountNumber":null,
"accessType":null,
"internetApplication":true,
"exchangeEmail":false,
"emailEncryption":false,
"laCountyGovAccess":true,
"tokenlessAuthentication":false,
"lacMobileWifiAccess":true,
"cherwellSms":false,
"windowsRightsMgmt":false,
"gmailAccess":true,
"yahooMailAccess":false,
"otherEmailDomain":null,
"businessJustification":"Access required to these technologies.",
"defaultCountyWidePolicy":false,
"departmentPolicyRule0":false,
"departmentPolicyRule1":false,
"departmentPolicyRule2":false,
"departmentPolicyRule3":false,
"departmentPolicyRule4":false,
"socialNetworkingFacebook":false,
"socialNetworkingTwitter":false,
"socialNetworkingLinkedIn":false
}
```

If it works, you'll see this:



```
[{"id":"8ff788d1-d049-4b98-9815-c1206be15ee9","createDate":"10/15/2020","submitDate":"11/01/2020","requestStatus":"Active","registrationType":"New","requestType":null,"lastName":"Doe","firstName":"John","middleInitial":null,"employeeNumber":null,"hostedId":null,"departmentName":null,"departmentNumber":null,"companyName":null,"companyEmailAddress":null,"departmentEmailAddress":null,"countyEmailAddress":null,"employeeEmailAddress":null,"businessStreetAddress":null,"businessCity":null,"businessState":null,"businessZip":null,"businessPhoneNumber":null,"workMailingAddress":null,"companyStreetAddress":null,"companyCity":null,"companyState":null,"companyZip":null,"companyPhoneNumber":null,"countyPhoneNumber":null,"workPhoneNumber":null,"contractWorkOrderNumber":null,"contractExpirationDate":null,"customerSignature":null,"customerSignatureDate":null,"ibmLogOnId":null,"majorGroupCode":null,"isoGroupCode":null,"securityAuthorization":null,"tsoAccess":false,"tsoGroupCode":null,"binNumber":null,"subGroup1":null,"subGroup2":null,"subGroup3":null,"onlineAccess":false,"systemApplication":null,"groupName":null,"oldGroup":null,"apsAo":null,"dmvSystemCode":null,"jaiSystemLocation":null,"unixRequestType":null,"unixLogOnId":null,"unixApplication":null,"unixAccessGroup":null,"unixAccountNumber":null,"billingAccountNumber":null,"accessType":null,"internetApplication":true,"exchangeEmail":false,"emailEncryption":false,"laCountyGovAccess":true,"tokenlessAuthentication":false,"lacMobileWifiAccess":true,"cherwellSms":false,"windowsRightsMgmt":false,"gmailAccess":true,"yahooMailAccess":false,"otherEmailDomain":null,"businessJustification":"Access required to these technologies.", "defaultCountyWidePolicy":false,"departmentPolicyRule0":false,"departmentPolicyRule1":false,"departmentPolicyRule2":false,"departmentPolicyRule3":false,"departmentPolicyRule4":false,"socialNetworkingFacebook":false,"socialNetworkingTwitter":false,"socialNetworkingLinkedIn":false}]
```