



## Web API Design with SpringBoot Week 1 Coding Assignment

**Points possible:** 70

Category	Criteria	% of Grade
<b>Functionality</b>	Does the code work?	25
<b>Organization</b>	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
<b>Creativity</b>	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
<b>Completeness</b>	All requirements of the assignment are complete.	25

**Instructions:** In Eclipse, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your Java project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

### Coding Steps:

Follow the tutorial in the homework section to build an API. Paste screenshots of your code and your postman requests and responses to show the API works. Push your project to GitHub and paste the link below

### URL to GitHub Repository:



# GATEWAY COMMUNITY COLLEGE

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## A MARICOPA COMMUNITY COLLEGE

```
1  <?xml version="1.0" encoding="UTF-8"?>
2
3  <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
5    <modelVersion>4.0.0</modelVersion>
6
7    <groupId>com.promineotech</groupId>
8    <artifactId>socialMediaApi</artifactId>
9    <version>0.0.1-SNAPSHOT</version>
10
11   <name>socialMediaApi</name>
12   <!-- FIXME change it to the project's website -->
13   <url>http://www.promineotech.com</url>
14
15  <properties>
16    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
17    <maven.compiler.source>1.7</maven.compiler.source>
18    <maven.compiler.target>1.7</maven.compiler.target>
19  </properties>
20
21  <parent>
22    <groupId>org.springframework.boot</groupId>
23    <artifactId>spring-boot-starter-parent</artifactId>
24    <version>1.2.6.RELEASE</version>
25  </parent>
26
27  <dependencies>
28    <dependency>
29      <groupId>junit</groupId>
30      <artifactId>junit</artifactId>
31      <version>4.11</version>
32      <scope>test</scope>
33    </dependency>
34    <dependency>
35      <groupId>org.springframework.boot</groupId>
36      <artifactId>spring-boot-starter-web</artifactId>
37    </dependency>
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50    <artifactId>spring-boot-starter-test</artifactId>
51    <scope>test</scope>
52  </dependency>
53  <dependency>
54    <groupId>mysql</groupId>
55    <artifactId>mysql-connector-java</artifactId>
56  </dependency>
57  <dependency>
58    <groupId>org.springframework.boot</groupId>
59    <artifactId>spring-boot-starter-data-jpa</artifactId>
60  </dependency>
61  <dependency>
62    <groupId>org.springframework.security</groupId>
63    <artifactId>spring-security-crypto</artifactId>
64    <version>5.1.2.RELEASE</version>
65  </dependency>
66  <dependency>
67    <groupId>junit</groupId>
68    <artifactId>junit</artifactId>
69    <version>3.8.1</version>
70    <scope>test</scope>
71  </dependency>
72  <dependency>
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74    <artifactId>mysql-connector-java</artifactId>
75    <version>8.0.20</version>
76    <scope>runtime</scope>
77  </dependency>
78  <dependency>
79    <groupId>mysql</groupId>
80    <artifactId>mysql-connector-j</artifactId>
81    <version>8.0.20</version>
82  </dependency>
83</dependencies>
84
85  <build>
86    <pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent pom) -->
87    <plugins>
88      <!-- clean lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#clean_Lifecycle -->
89      <plugin>
90        <artifactId>maven-clean-plugin</artifactId>
91        <version>3.1.0</version>
92      </plugin>
93      <!-- default lifecycle, jar packaging: see https://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin_Lifecycle -->
94      <plugin>
95        <artifactId>maven-resources-plugin</artifactId>
96        <version>3.0.2</version>
97      </plugin>
98      <plugin>
99        <artifactId>maven-compiler-plugin</artifactId>
100       <version>3.8.0</version>
101     </plugin>
102     <plugin>
103       <artifactId>maven-surefire-plugin</artifactId>
104       <version>2.22.1</version>
105     </plugin>
106     <plugin>
107       <artifactId>maven-jar-plugin</artifactId>
108       <version>3.0.2</version>
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111       <artifactId>maven-install-plugin</artifactId>
112       <version>2.5.2</version>
113     </plugin>
114     <plugin>
115       <artifactId>maven-deploy-plugin</artifactId>
116       <version>2.8.2</version>
117     </plugin>
118     <!-- site lifecycle, see https://maven.apache.org/ref/current/maven-core/lifecycles.html#site_Lifecycle -->
119     <plugin>
120       <artifactId>maven-site-plugin</artifactId>
121       <version>3.7.1</version>
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123     <plugin>
124       <artifactId>maven-project-info-reports-plugin</artifactId>
125       <version>3.0.0</version>
126     </plugin>
127   </plugins>
128 </pluginManagement>
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153          <url>http://internal:8081/nexus/content/repositories/releases</url>
154        </repository>
155      </repositories>
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159  <build>
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163        <artifactId>java-docker</artifactId>
164        <version>0.4.1</version>
165        <configuration>
166          <image>java:8-jdk</image>
167          <dockerFile>Dockerfile</dockerFile>
168          <environment>
169            <JAVA_OPTS>-Xms256m -Xmx512m -XX:MaxPermSize=256m</JAVA_OPTS>
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766  </dependencyManagement>
767
768  <dependencyInclusions>
769    <inclusion>
770      <groupId>com.google.guava</groupId>
771      <artifactId>guava</artifactId>
772      <version>27.0-jre</version>
773    </inclusion>
774  </dependencyInclusions>
775
776  <dependencyExclusions>
777    <exclusion>
778      <groupId>com.google.guava</groupId>
779      <artifactId>guava</artifactId>
780      <version>27.0-jre</version>
781    </exclusion>
782  </dependencyExclusions>
783
784  <dependencyManagement>
785    <dependencies>
786      <dependency>
787        <groupId>com.google.guava</groupId>
788        <artifactId>guava</artifactId>
789        <version>27.0-jre</version>
790      </dependency>
791    </dependencies>
792  </dependencyManagement>
793
794  <dependencyInclusions>
795    <inclusion>
796      <groupId>com.google.guava</groupId>
797      <artifactId>guava</artifactId>
798      <version>27.0-jre</version>
799    </inclusion>
800  </dependencyInclusions>
801
802  <dependencyExclusions>
803    <exclusion>
804      <groupId>com.google.guava</groupId>
805      <artifactId>guava</artifactId>
806      <version>27.0-jre</version>
807    </exclusion>
808  </dependencyExclusions>
809
810  <dependencyManagement>
811    <dependencies>
812      <dependency>
813        <groupId>com.google.guava</groupId>
814        <artifactId>guava</artifactId>
815        <version>27.0-jre</version>
816      </dependency>
817    </dependencies>
818  </dependencyManagement>
819
820  <dependencyInclusions>
821    <inclusion>
822      <groupId>com.google.guava</groupId>
823      <artifactId>guava</artifactId>
824      <version>27.0-jre</version>
825    </inclusion>
826  </dependencyInclusions>
827
828  <dependencyExclusions>
829    <exclusion>
830      <groupId>com.google.gu
```



```
1 package com.promineotech.socialMediaApi.repository;
2
3 import org.springframework.data.repository.CrudRepository;
4
5 import com.promineotech.socialMediaApi.entity.Comment;
6
7 public interface CommentRepository extends CrudRepository<Comment, Long> {
8
9 }
0
```

```
package com.promineotech.socialMediaApi.repository;
import org.springframework.data.repository.CrudRepository;
import com.promineotech.socialMediaApi.entity.Post;
public interface PostRepository extends CrudRepository<Post, Long>{
}
```

```
package com.promineotech.socialMediaApi.repository;
import org.springframework.data.repository.CrudRepository;
import com.promineotech.socialMediaApi.entity.User;
public interface UserRepository extends CrudRepository<User, Long>{
    public User findByUsername(String username);
}
```



```
1 package com.promineotech.socialMediaApi.view;
2
3
4 import java.util.Set;
5
6 import com.promineotech.socialMediaApi.entity.User;
7
8 public class Following {
9
10    private Set<User> following;
11
12    public Following(User user) {
13        following = user.getFollowing();
14    }
15
16    public Set<User> getFollowing() {
17        return following;
18    }
19
20    public void setFollowing(Set<User> following) {
21        this.following = following;
22    }
23
24 }
25
26 }
```

```
package com.promineotech.socialMediaApi;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.context.annotation.ComponentScan;

@ComponentScan("com.promineotech.socialMediaApi")
@SpringBootApplication
public class App
{
    public static void main( String[] args )
    {
        SpringApplication.run(App.class, args);
    }
}
```



**GATEWAY  
COMMUNITY COLLEGE**

A MARICOPA COMMUNITY COLLEGE

```
1 spring.datasource.url=jdbc:mysql://localhost/social_api
2 spring.datasource.username=root
3 spring.datasource.password=
4 spring.datasource.driver-class-name=com.mysql.jdbc.Driver
5
6 spring.jpa.hibernate.ddl-auto=create
7 spring.jpa.show-sql=true
8 spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL5Dialect
9
10 multipart.max-file-size=10MB
11 multipart.max-request-size=10MB
```

```
9 import com.promineotech.socialMediaApi.entity.Post;
10 import com.promineotech.socialMediaApi.entity.User;
11 import com.promineotech.socialMediaApi.repository.PostRepository;
12 import com.promineotech.socialMediaApi.repository.UserRepository;
13
14 @Service
15 public class PostService {
16
17     @Autowired
18     private PostRepository repo;
19
20     @Autowired
21     private UserRepository userRepo;
22
23     public Iterable<Post> getAllPosts() {
24         return repo.findAll();
25     }
26
27     public Post getPost(Long id) {
28         return repo.findOne(id);
29     }
30     public Post updatePost(Post post, Long id) throws Exception {
31         Post foundPost = repo.findOne(id);
32         if (foundPost == null) {
33             throw new Exception("Post not found.");
34         }
35         foundPost.setContent(post.getContent());
36         return repo.save(foundPost);
37     }
38
39     public Post createPost(Post post, Long userId) throws Exception {
40         User user = userRepo.findOne(userId);
41         if (user == null) {
42             throw new Exception("User not found. ");
43         }
44         post.setDate(new Date());
45         post.setUser(user);
46         return repo.save(post);
47     }
48 }
```



# GATEWAY COMMUNITY COLLEGE

---

## A MARICOPA COMMUNITY COLLEGE

```
1 package com.promineotech.socialMediaApi.service;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4 import org.springframework.stereotype.Service;
5
6 import com.promineotech.socialMediaApi.entity.User;
7 import com.promineotech.socialMediaApi.repository.UserRepository;
8 import com.promineotech.socialMediaApi.view.Following;
9
10 @Service
11 public class UserService {
12
13     @Autowired
14     private UserRepository repo;
15
16     public User createUser(User user) {
17         return repo.save(user);
18     }
19
20     public User login(User user) throws Exception {
21         User foundUser = repo.findByUsername(user.getUsername());
22         if (foundUser != null && foundUser.getPassword().equals(user.getPassword())){
23             return foundUser;
24         } else {
25             throw new Exception("Invalid username or password.");
26         }
27     }
28
29     public Following follow(Long userId, Long followId) throws Exception {
30         User user = repo.findOne(userId);
31         User follow = repo.findOne(followId);
32         if (user == null || follow == null) {
33             throw new Exception("User does not exist.");
34         }
35         user.getFollowing().add(follow);
36         repo.save(user);
37         return new Following(user);
38     }
39
40     public Following getFollowedUsers(Long userId) throws Exception {
41         User user = repo.findOne(userId);
42         if (user == null) {
43             throw new Exception("User does not exist. ");
44         }
45         return new Following(user);
46     }
47
48     public User updateProfilePicture(Long userId, String url) throws Exception {
49         User user = repo.findOne(userId);
50         if (user == null) {
51             throw new Exception("User does not exist.");
52         }
53         user.setProfilePictureUrl(url);
54         return repo.save(user);
55     }
56 }
```



```
1 package com.promineotech.socialMediaApi.service;
2
3 import java.util.Date;
4
5 import org.springframework.beans.factory.annotation.Autowired;
6 import org.springframework.stereotype.Service;
7
8 import com.promineotech.socialMediaApi.entity.Comment;
9 import com.promineotech.socialMediaApi.entity.Post;
10 import com.promineotech.socialMediaApi.entity.User;
11 import com.promineotech.socialMediaApi.repository.CommentRepository;
12 import com.promineotech.socialMediaApi.repository.PostRepository;
13 import com.promineotech.socialMediaApi.repository.UserRepository;
14
15 @Service
16 public class CommentService {
17
18     @Autowired
19     private CommentRepository repo;
20
21     @Autowired
22     private PostRepository postRepo;
23
24     @Autowired
25     private UserRepository userRepo;
26
27     public Comment createComment(Comment comment, Long userId, Long postId) throws Exception {
28         User user = userRepo.findOne(userId);
29         Post post = postRepo.findOne(postId);
30         if (user == null || post == null ) {
31             throw new Exception("User or Post does not exist.");
32         }
33         comment.setDate(new Date());
34         comment.setUser(user);
35         comment.setPost(post);
36         return repo.save(comment);
37     }
38
39     public void deleteComment(Long commentId) {
40         repo.delete(commentId);
41     }
42 }
```



```
@Entity
public class Comment {

    private Long id;
    private String content;
    private Date date;
    private User user;

    @JsonIgnore
    private Post post;

    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        this.id = id;
    }

    public String getContent() {
        return content;
    }

    public void setContent(String content) {
        this.content = content;
    }

    public Date getDate() {
        return date;
    }

    public void setDate(Date date) {
        this.date = date;
    }

    @ManyToOne
    @JoinColumn(name = "userId")
    public User getUser() {
        return user;
    }

    public void setUser(User user) {
        this.user = user;
    }

    @ManyToOne
    @JoinColumn(name = "postId")
    public Post getPost() {
        return post;
    }

    public void setPost(Post post) {
        this.post = post;
    }
}
```



# GATEWAY COMMUNITY COLLEGE

---

## A MARICOPA COMMUNITY COLLEGE

```
1 package com.promineotech.socialMediaApi.entity;
2
3 import java.util.Date;
4 import java.util.Set;
5
6 import javax.persistence.Entity;
7 import javax.persistence.GeneratedValue;
8 import javax.persistence.GenerationType;
9 import javax.persistence.Id;
10 import javax.persistence.JoinColumn;
11 import javax.persistence.ManyToOne;
12 import javax.persistence.OneToMany;
13
14 @Entity
15 public class Post {
16
17     private Long id;
18     private String content;
19     private Date date;
20     private User user;
21     private Set<Comment> comments;
22
23     @Id
24     @GeneratedValue(strategy = GenerationType.AUTO)
25     public Long getId() {
26         return id;
27     }
28     public void setId(Long id) {
29         this.id = id;
30     }
31     public String getContent() {
32         return content;
33     }
34     public void setContent(String content) {
35         this.content = content;
36     }
37     public Date getDate() {
38         return date;
39     }
40     public void setDate(Date date) {
41         this.date = date;
42     }
43
44     @ManyToOne
45     @JoinColumn(name = "userId")
46     public User getUser() {
47         return user;
48     }
49     public void setUser(User user) {
50         this.user = user;
51     }
52
53     @OneToMany(mappedBy = "post")
54     public Set<Comment> getComments() {
55         return comments;
56     }
57     public void setComments(Set<Comment> comments) {
58         this.comments = comments;
59     }
60
61 }
62 }
```



# GATEWAY COMMUNITY COLLEGE

---

## A MARICOPA COMMUNITY COLLEGE

```
1 package com.promineotech.socialMediaApi.entity;
2
3 import java.util.Set;
4
5 import javax.persistence.CascadeType;
6 import javax.persistence.Entity;
7 import javax.persistence.GeneratedValue;
8 import javax.persistence.GenerationType;
9 import javax.persistence.Id;
10 import javax.persistence.JoinColumn;
11 import javax.persistence.JoinTable;
12 import javax.persistence.ManyToMany;
13 import javax.persistence.OneToMany;
14
15 import com.fasterxml.jackson.annotation.JsonIgnore;
16 import com.fasterxml.jackson.annotation.JsonProperty;
17
18 @Entity
19 public class User {
20
21     private Long id;
22     private String username;
23     private String profilePictureUrl;
24
25     @JsonIgnore
26     private Set<User> following;
27
28     private String password;
29
30     @JsonIgnore
31     private Set<Post> posts;
32
33     @JsonIgnore
34     private Set<Comment> comments;
35
36     @Id
37     @GeneratedValue(strategy = GenerationType.AUTO)
38     public Long getId() {
39         return id;
40     }
41     public void setId(Long id) {
42         this.id = id;
43     }
44     public String getUsername() {
45         return username;
46     }
47     public void setUsername(String username) {
48         this.username = username;
49     }
50
51     @JsonIgnore
52     public String getPassword() {
53         return password;
54     }
55
56     @JsonProperty
57     public void setPassword(String password) {
58         this.password = password;
59     }
60 }
```

```
60
61     @OneToMany(mappedBy = "user")
62     public Set<Post> getPosts() {
63         return posts;
64     }
65     public void setPosts(Set<Post> posts) {
66         this.posts = posts;
67     }
68
69     @OneToMany(mappedBy = "user")
70     public Set<Comment> getComments() {
71         return comments;
72     }
73     public void setComments(Set<Comment> comments) {
74         this.comments = comments;
75     }
76
77     @ManyToMany(cascade = CascadeType.ALL)
78     @JoinTable(name = "following",
79                 joinColumns = @JoinColumn(name = "userId", referencedColumnName = "id"),
80                 inverseJoinColumns = @JoinColumn(name = "followingId", referencedColumnName = "id"))
81     public Set<User> getFollowing() {
82         return following;
83     }
84
85     public void setFollowing(Set<User> following) {
86         this.following = following;
87     }
88
89     public String getProfilePictureUrl() {
90         return profilePictureUrl;
91     }
92
93     public void setProfilePictureUrl(String profilePictureUrl) {
94         this.profilePictureUrl = profilePictureUrl;
95     }
96
97
98 }
99 }
```



## Screenshots of Running Application:

Untitled Request

POST http://localhost:8080/users/register

Body (8)

```
1 {
2   "username": "Roxanne",
3   "password": "12345"
4 }
```

Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

201 Created 88 ms 216 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "username": "Roxanne",
4   "profilePictureUrl": null
5 }
```

Untitled Request

POST http://localhost:8080/users/register

Body (8)

```
1 {
2   "username": "Ben",
3   "password": "123456"
4 }
```

Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

201 Created 15 ms 212 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 2,
3   "username": "Ben",
4   "profilePictureUrl": null
5 }
```



# GATEWAY COMMUNITY COLLEGE

---

## A MARICOPA COMMUNITY COLLEGE

untitled request

POST http://localhost:8080/users/1/follows/2 Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 [
2   "username": "Ben",
3   "password": "123456"
4 ]
```

Body Cookies Headers (4) Test Results 201 Created 81 ms 228 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   "following": [
3     {
4       "id": 2,
5       "username": "Ben",
6       "profilePictureUrl": null
7     }
8   ]
9 ]
```

Comments

untitled request

GET http://localhost:8080/users/1/follows Send Save

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1
```

Body Cookies Headers (4) Test Results 201 Created 15 ms 228 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   "following": [
3     {
4       "id": 2,
5       "username": "Ben",
6       "profilePictureUrl": null
7     }
8   ]
9 ]
```

POST http://localhost:8080/users/1/profilePicture Send Save

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON

KEY	VALUE	DESCRIPTION	*** Bulk Edit
<input checked="" type="checkbox"/> file	8ball.png X		
Key	Value	Description	

Body Cookies Headers (4) Test Results Status: 201 Created Time: 36 ms Size: 234 B Save Response

Pretty Raw Preview Visualize JSON

```
1 [
2   "id": 1,
3   "username": "Roxanne",
4   "profilePictureUrl": "./pictures/8ball.png"
5 ]
```



POST http://localhost:8080/users/1/posts

Body (8) Body

Params Authorization Headers (8) Body (8) Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {  
2   "content" : "I did it , this is my first post!"  
3 }
```

Status: 200 OK Time: 18 ms Size: 328 B | Save Response ▾

Pretty Raw Preview Visualize JSON

```
1 {  
2   "id": 1,  
3   "content": "I did it , this is my first post!",  
4   "date": 1594682418796,  
5   "user": {  
6     "id": 1,  
7     "username": "Roxanne",  
8     "profilePictureUrl": "./pictures/8ball.png"  
9   },  
10  "comments": null  
11 }  
  
GET http://localhost:8080/users/1/posts
```

Send Save

Params Authorization Headers (8) Body (8) Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {  
2   "content" : "I did it , this is my first post!"  
3 }
```

Status: 200 OK Time: 118 ms Size: 328 B | Save Response ▾

Pretty Raw Preview Visualize JSON

```
1 [  
2   {  
3     "id": 1,  
4     "content": "I did it , this is my first post!",  
5     "date": 1594682419000,  
6     "user": {  
7       "id": 1,  
8       "username": "Roxanne",  
9       "profilePictureUrl": "./pictures/8ball.png"  
10     },  
11     "comments": []  
12   }  
13 ]
```

PUT http://localhost:8080/users/1/posts/1

Send Save

Params Authorization Headers (8) Body (8) Pre-request Script Tests Settings Cookies Coo

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {  
2   "content": "Post update!"  
3 }
```

Status: 200 OK Time: 16 ms Size: 305 B | Save Response ▾

Pretty Raw Preview Visualize JSON

```
1 {  
2   "id": 1,  
3   "content": "Post update!",  
4   "date": 1594682419000,  
5   "user": {  
6     "id": 1,  
7     "username": "Roxanne",  
8     "profilePictureUrl": "./pictures/8ball.png"  
9   },  
10   "comments": []  
11 }
```



# GATEWAY COMMUNITY COLLEGE

---

## A MARICOPA COMMUNITY COLLEGE

POST ▾ http://localhost:8080/users/1/posts/1/comments Send ▾ Save

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings Cook

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▾

```
1 {  
2   "content": "Post comment"  
3 }
```

---

Body Cookies Headers (4) Test Results Status: 200 OK Time: 24 ms Size: 291 B Save Res

GET ▾ http://localhost:8080/users/1/posts/1/ Send ▾

Params Authorization Headers (6) **Body** ● Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▾

```
1 
```

---

Body Cookies Headers (4) Test Results Status: 200 OK Time: 11 ms Size: 305 B Save Res

Pretty Raw Preview Visualize JSON ▾

```
1 {  
2   "id": 1,  
3   "content": "Post update!",  
4   "date": 1594682419000,  
5   "user": {  
6     "id": 1,  
7     "username": "Roxanne",  
8     "profilePictureUrl": "./pictures/8ball.png"  
9   },  
10  "comments": []  
11 }
```



# GATEWAY COMMUNITY COLLEGE

---

## A MARICOPA COMMUNITY COLLEGE

DELETE ▾ http://localhost:8080/users/1/posts/1/comments/1 Send ▾ Save

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies C

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▾ Beautify

1

---

Body Cookies Headers (4) Test Results Status: 200 OK Time: 20 ms Size: 169 B Save Response

Pretty Raw Preview Visualize JSON ▾

1 Deleted comment with id: 1