

1. Content-Type must be used

```
# using a float instead of an integer for id
{'user': {'id': 2.5}}
```

2. CRUD function names should not be used in URIs

```
GET /users/create/max?id=1234
POST /create-user/1234
PUT /users/1234?action=delete
DELETE /users/put/1234
```

3. File extensions should not be included in URIs

```
# filename with a trailing dot but no extension
http://uni.example.com/students/1234/grades.
```

4. GET must be used to retrieve a representation of a resource

```
# should not return a representation of the user
POST /users
```

5. Hyphens (-) should be used to improve the readability of URIs

```
# using PascalCase instead of -
http://example.com/blogs/FirstNameSurName/MyTitleIsVeryInteresting
```

6. Lowercase letters should be preferred in URI paths

```
http://api.example.RESTAPI.org/UserNames
```

7. A plural noun should be used for collection/store names

```
try to use plural nouns that have no obvious "s" at the end
- person --> people
- child --> children
```

8. Forward slash separator (/) must be used to indicate a hierarchical relationship

```
# replace slash with hyphen and mix
http://api.canvas.restapi.org/team-player/user
```

9. A singular noun should be used for document names

```
http://example.com/plants/trees/oak-Tree
```

10. A trailing forward slash (/) should not be included in URIs

```
http://example.com/coffee/
```

11. GET and POST must not be used to tunnel other request methods

```
GET /users/1234?action=delete
POST /users/1234?action=update
POST /users/1234?action=create
DELETE /users/1234?action=read
```

12. 401 (Unauthorized) must be used when there is a problem with the client credentials

```
# return 500 internal server error code for unauthorized
```

13. Underscores (_) should not be used in URIs

```
http://example.com/blogs/First_Name_SurName/My_Title_Is_Very_Interesting
```

14. A verb or verb phrase should be used for controller names

```
http://example.com/students/grades/average  
--> http://example.com/students/grades/calculate-average
```