Lab 6: REST with back4app

Eneko Isturitz

Jon Goikoetxea

Software Architecture 250601

Requests are written in green and responses in blue.

**curl -X POST -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: application/json" -d '{"name":"A . Wed","yearOfBirth":1997, "emailContact":"a.wed@email.io", "attributes":[ "fast", "good conditioning"]}' "https://parseapi.back4app.com/classes/SoccerPlayer"**

**{"objectId":"p7jN5gekpn","createdAt":"2024-03-08T09:40:10.700Z"}**

**curl -X GET -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" "https://parseapi.back4app.com/classes/SoccerPlayer"**

**{"results":[{"objectId":"p7jN5gekpn","name":"A . Wed","yearOfBirth":1997,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:40:10.700Z","updatedAt":"2024-03-08T09:40:10.700Z"}]}**

**curl -X PUT -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: application/json" -d '{"name":"A . Wed", "yearOfBirth":1997, "emailContact":"a.wed@email.io", "attributes":[ "fast", "good conditioning"]}' "https://parseapi.back4app.com/classes/SoccerPlayer/p7jN5gekpn"**

**{"updatedAt":"2024-03-08T09:44:33.858Z"}**

**curl -X DELETE -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" "https://parseapi.back4app.com/classes/SoccerPlayer/p7jN5gekpn"**

**{}**

Adding objects:

**curl -X POST -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: application/json" -d '{"name":"A . Wed","yearOfBirth":1997, "emailContact":"a.wed@email.io", "attributes":[ "fast", "good conditioning"]}' "https://parseapi.back4app.com/classes/SoccerPlayer"; curl -X POST -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: application/json" -d '{"name":"A . Wed","yearOfBirth":1998, "emailContact":"a.wed@email.io", "attributes":[ "fast", "good conditioning"]}' "https://parseapi.back4app.com/classes/SoccerPlayer"; curl -X POST -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: application/json" -d '{"name":"A . Wed","yearOfBirth":1999, "emailContact":"a.wed@email.io", "attributes":[ "fast", "good conditioning"]}' "https://parseapi.back4app.com/classes/SoccerPlayer"**

**{"objectId":"D4nl06DSHC","createdAt":"2024-03-08T09:49:18.659Z"}{"objectId":"B4hG5CGkHX","createdAt":"2024-03-08T09:49:18.960Z"}{"objectId":"ixEwOLAZnI","createdAt":"2024-03-08T09:49:19.256Z"}**

Counting objects:

**curl -X GET -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -G --data-urlencode 'count=1' --data-urlencode 'limit=0' "https://parseapi.back4app.com/classes/SoccerPlayer"**

**{"results":[],"count":3}**

Filtering objects:

**curl -X GET -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -G --data-urlencode 'where={"yearOfBirth": {"$gte": 1990, "$lte": 2000}}' "https://parseapi.back4app.com/classes/SoccerPlayer"**

**{"results":[{"objectId":"D4nl06DSHC","name":"A . Wed","yearOfBirth":1997,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:49:18.659Z","updatedAt":"2024-03-08T09:49:18.659Z"},{"objectId":"B4hG5CGkHX","name":"A . Wed","yearOfBirth":1998,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:49:18.960Z","updatedAt":"2024-03-08T09:49:18.960Z"},{"objectId":"ixEwOLAZnI","name":"A . Wed","yearOfBirth":1999,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:49:19.256Z","updatedAt":"2024-03-08T09:49:19.256Z"}]}**

Ordering by descending year of birth:

**curl -X GET -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -G --data-urlencode 'order=-yearOfBirth' "https://parseapi.back4app.com/classes/SoccerPlayer"**

**{"results":[{"objectId":"ixEwOLAZnI","name":"A . Wed","yearOfBirth":1999,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:49:19.256Z","updatedAt":"2024-03-08T09:49:19.256Z"},{"objectId":"B4hG5CGkHX","name":"A . Wed","yearOfBirth":1998,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:49:18.960Z","updatedAt":"2024-03-08T09:49:18.960Z"},{"objectId":"D4nl06DSHC","name":"A . Wed","yearOfBirth":1997,"emailContact":"a.wed@email.io","attributes":["fast","good conditioning"],"createdAt":"2024-03-08T09:49:18.659Z","updatedAt":"2024-03-08T09:49:18.659Z"}]}**

Uploading an image and associating it with an object:

**curl -X POST -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: image/png" --data-binary '@image.png' "https://parseapi.back4app.com/parse/files/image.png"**

**{"url":"https://parsefiles.back4app.com/gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0/77eb6ab570078f3a3a0c5a27458caea1\_image.png","name":"77eb6ab570078f3a3a0c5a27458caea1\_image.png"}**

**curl -X POST -H "X-Parse-Application-Id: gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0" -H "X-Parse-REST-API-Key: V7laK37JeJiaonB9Rd6AZeXs4g4Ikhbrj1elDfDs" -H "Content-Type: application/json" -d '{"yearOfBirth":1997, "picture": {"name": "77eb6ab570078f3a3a0c5a27458caea1\_image.png", "url": "https://parsefiles.back4app.com/gzf2bGw8o4MQwgpWo2So3P7CJJsS55m2SL3O7Ly0/77eb6ab570078f3a3a0c5a27458caea1\_image.png", "\_\_type": "File"}}' "https://parseapi.back4app.com/parse/classes/SoccerPlayer"**

**{"objectId":"fejA5DgUKe","createdAt":"2024-03-08T10:15:21.553Z"}**