

# Attachment E: RESTFUL API

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# Login

---

Send username and password to server for validation

- URL  
/api/auth
- Method:  
POST
- URL Params  
None
- Data Params  
Required:  
username=[string]  
password=[string]
- Success Response:
  - Code: 200 OK  
Content: { userID : 12, userType : "Player" }
- Error Response:
  - Code: 404 NOT FOUND  
Content: {error : "User doesn't exist." }
  - OR
    - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }
  - OR
    - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: "/api/auth",  
  method: "post",  
  contentType: "application/json",  
  data: JSON.stringify({  
    username: $("#inputUsername").val(),  
    password: $("#inputPassword").val(),  
  }),  
  success: function(res, status){  
    console.log(res);} ,  
  error : function(res) {console.log(res); }}
```

## Get events by game

---

Returns events related to a certain game in json data

- URL  
/api/events/:game
  - Method:  
GET
  - URL Params  
Required:  
game=[string]
  - Data Params  
None
  - Success Response:
    - Code: 200 OK  
Content: {eventID: 14, eventName: "PUBG MASTER", eventGame: "PUBG",  
eventDescription: "PUBG master supported by ROG",  
eventStartTime: "2020-06-05T09:10:00.000Z",  
eventTicketPrice: 15,locationID: 5,  
latitude: 38.7685, longitude: -9.09387,  
eventlocationName: "Altice Arena, Rossio dos Olivais,  
Parque das Nações, Lisbon, Grande Lisboa, Área Metropolitana  
de Lisboa, 1990, Portugal"}
  - Error Response:
    - Code: 404 NOT FOUND  
Content: { error : "No events related to this game." }
- OR
- Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }
- OR
- Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: '/api/events/' + game,  
  method: 'get',  
  dataType: "json",  
  success: function(res, status){  
    console.log(res);  
  }, error : function(res) {console.log(res); }}
```

# Create new event

---

Send event info to server

- URL  
/api/events/newEvent
  - Method:  
POST
  - URL Params  
None
  - Data Params  
Required:  
Ename=[string]  
Egame=[string]  
Edesc=[string]  
Estart=[string]  
Edate=[string]  
Eprice=[string]  
Oname=[string]  
Elat=[integer]  
Elng=[integer]  
Eadress=[string]
  - Success Response:
    - Code: 200 OK  
Content: { success : "Event created successfully" }
  - Error Response:
    - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }
- OR
- Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: "/api/events/newEvent",  
  method: "post",  
  contentType: "application/json",  
  data: event,  
  success: function(res, status){  
    console.log(res);  
  },  
  error : function(res) {console.log(res); }}
```

# Heatmap

---

Returns json data array of registered users by district

- URL  
/api/events/heatmap/regions
- Method:  
GET
- URL Params  
None
- Data Params  
None
- Success Response:
  - Code: 200 OK  
Content:

```
▼ [,-]
▶ 0: {regionID: 1, regionName: "Lisboa", regionRadius: 7, regionLat: 38.7440523, regionLong: -9.15182793}
▶ 1: {regionID: 2, regionName: "Porto", regionRadius: 2, regionLat: 41.1494512, regionLong: -8.6107884}
▶ 2: {regionID: 3, regionName: "Viana do Castelo", regionRadius: 3, regionLat: 41.694867,...}
▶ 3: {regionID: 4, regionName: "Braga", regionRadius: 8, regionLat: 41.5510583, regionLong: -8.4280045}
▶ 4: {regionID: 5, regionName: "Vila Real", regionRadius: 3, regionLat: 41.2966556, regionLong: -7.74678}
▶ 5: {regionID: 6, regionName: "Bragança", regionRadius: 5, regionLat: 41.8071182, regionLong: -6.7589839}
▶ 6: {regionID: 7, regionName: "Aveiro", regionRadius: 6, regionLat: 40.640496, regionLong: -8.6537841}
▶ 7: {regionID: 8, regionName: "Viseu", regionRadius: 7, regionLat: 40.6574713, regionLong: -7.9138664}
▶ 8: {regionID: 9, regionName: "Guarda", regionRadius: 5, regionLat: 40.5378408, regionLong: -7.2662964}
▶ 9: {regionID: 10, regionName: "Coimbra", regionRadius: 8, regionLat: 40.2109801, regionLong: -8.4292057}
▶ 10: {regionID: 11, regionName: "Castelo Branco", regionRadius: 5, regionLat: 41.2773349,...}
▶ 11: {regionID: 12, regionName: "Leiria", regionRadius: 10, regionLat: 39.7437902, regionLong: -8.8071119}
▶ 12: {regionID: 13, regionName: "Santarém", regionRadius: 8, regionLat: 39.2363637, regionLong: -8.6867081}
▶ 13: {regionID: 14, regionName: "Portalegre", regionRadius: 6, regionLat: 39.2911347,...}
▶ 14: {regionID: 15, regionName: "Setúbal", regionRadius: 8, regionLat: 38.524321, regionLong: -8.8926172}
▶ 15: {regionID: 16, regionName: "Évora", regionRadius: 4, regionLat: 38.5707742, regionLong: -7.9092808}
▶ 16: {regionID: 17, regionName: "Beja", regionRadius: 8, regionLat: 38.0154479, regionLong: -7.8650368}
```

- Error Response:
  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }

OR

- Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({
  url: "/api/events/heatmap/regions",
  method: 'get',
  success: function(res, status){
    console.log(res);}
  , error : function(res) {console.log(res); }}
```

# User profile

---

Returns json data about a single user profile information

- URL  
/api/users/:id/profile
- Method:  
GET
- URL Params  
Required:  
id=[string]
- Data Params  
None
- Success Response:
  - Code: 200 OK  
Content: { username: "mooz",  
userType: "Pro",  
name: "Diogo Santos",  
birthDate: "1998-06-04T23:00:00.000Z",  
bio: "BEST empanado",  
game: "PUBG",  
mainPosition: "Support",  
teamName: "BaeconGG",  
region: "Lisboa"  
}
- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "User doesn't exist" }OR
  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }OR
  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: "/api/users/"+ id +"/profile" ,  
  method: "get",  
  dataType: "json",  
  success: function(res, status){  
    console.log(res);  
  , error : function(res) {console.log(res); }}
```

# User videos

---

Returns json data array about a user uploaded video information

- URL  
/api/users/:id/videos
- Method:  
GET
- URL Params  
Required:  
id=[string]
- Data Params  
None
- Success Response:

- Code: 200 OK  
Content:

```
▼[{videoID: 40, videoTitle: "te", videoDescription: "te", game: "PUBG", rating: 1,...},...]  
▶0: {videoID: 40, videoTitle: "te", videoDescription: "te", game: "PUBG", rating: 1,...}  
▶1: {videoID: 36, videoTitle: "Sanhok 3k", videoDescription: "Sanhok king", game: "PUBG", rating: 2,...}  
▶2: {videoID: 35, videoTitle: "Sanhok 3k", videoDescription: "Sanhok king", game: "PUBG", rating: 2,...}  
▶3: {videoID: 34, videoTitle: "Military Base", videoDescription: "2k", game: "PUBG", rating: 1,...}  
▶4: {videoID: 33, videoTitle: "Sanhok 3k", videoDescription: "pls like", game: "PUBG", rating: 1,...}  
▶5: {videoID: 3, videoTitle: "pls work", videoDescription: "is itworking?", game: "PUBG", rating: 7,...}  
▶6: {videoID: 5, videoTitle: "Earth", videoDescription: "Beauty of Earth from Cosmos", game: "LOL",...}  
▶7: {videoID: 7, videoTitle: "1234", videoDescription: "qwerty", game: "PUBG", rating: 2,...}  
▶8: {videoID: 10, videoTitle: "567890", videoDescription: "quickscope", game: "PUBG", rating: 2,...}  
▶9: {videoID: 11, videoTitle: "1234", videoDescription: "qwerty", game: "PUBG", rating: 3,...}
```

- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "User doesn't exist" }

OR

  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }

OR

  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: "/api/users/" + id + "/videos",  
  method: "get",  
  dataType: "json",  
  success: function(res, status){  
    console.log(res);  
  },  
  error : function(res) {console.log(res); }}
```

# User video upload

---

## Upload video to server

- URL  
/api/users/:id/videos
  - Method:  
POST
  - URL Params  
Required:  
id=[string]
  - Data Params  
data=[FormData]
  - Success Response:
    - Code: 200 OK  
Content: {message:"File uploaded to Drive and id saved on DB"}
  - Error Response:
    - Code: 404 NOT FOUND  
Content: { error : "User doesn't exist" }
- OR
- Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }
- OR
- Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error"}
- Sample Call:

```
$.ajax({  
  url: "/api/users/:id/videos",  
  method : "post",  
  data : data,  
  processData: false,  
  contentType: false,  
  success: function(res, status){  
    console.log(res);  
  }, error : function(res) {console.log(res); }}
```



# User contacts

---

Returns json data array with existing contacts for a user

- URL  
/api/users/:id/contacts
- Method:  
GET
- URL Params  
Required:  
id=[string]
- Data Params  
None
- Success Response:
  - Code: 200 OK

Content:

```
▼ [{username: "chiqui", userID: 5}, {username: "mooz", userID: 4}, {username: "alberto", userID: 6}, {username: "joaquim", userID: 7}]
  ▶ 0: {username: "chiqui", userID: 5}
  ▶ 1: {username: "mooz", userID: 4}
  ▶ 2: {username: "alberto", userID: 6}
  ▶ 3: {username: "joaquim", userID: 7}
```

- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "User doesn't exist" }OR
  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }OR
  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({url: '/api/users/' + sessionStorage.userID + '/contacts',
  method: 'get',
  dataType: 'json',
  success: function(res, status){
    console.log(res);
  }, error : function(res) {console.log(res); }}
```

## User messages with another user

---

Returns json data array with the conversation between two users

- URL  
`/api/users/:id/contacts/:contactID/messages`
- Method:  
GET
- URL Params  
Required:  
`id=[string]`  
`contactID=[string]`
- Data Params  
None
- Success Response:
  - Code: 200 OK  
Content: {messageFromID: 6, message: "teste", messageDate: "2019-12-31T01:31:21.000Z"}
- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "Contact doesn't exist" }  
OR  
Content: { error : "User doesn't exist" }
  - OR
  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }
  - OR
  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error"}
- Sample Call:

```
$.ajax({  
  url: "/api/users/" + sessionStorage.userID + "/contacts/" +  
contactID+"/messages",  
  method: "get",  
  dataType: "json",  
  success: function(res, status){  
    console.log(res);}  
  , error : function(res) {console.log(res); }}
```

# Send message to another user

---

Posts a new message to the conversation with another user

- URL  
`/api/users/:id/contacts/:contactID/messages`
- Method:  
POST
- URL Params  
Required:  
`id=[string]`  
`contactID=[string]`
- Data Params  
`message=[string]`
- Success Response:
  - Code: 200 OK  
Content: {messageFromID: 6, message: "teste", messageDate: "2019-12-31T01:31:21.000Z"}
- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "Contact doesn't exist" }  
OR  
Content: { error : "User doesn't exist" }  
OR
  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }  
OR
  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error"}
- Sample Call:

```
$.ajax({  
  url: "/api/users/" + sessionStorage.userID + "/contacts/" + contact +  
  "/messages",  
  method: "post",  
  contentType: "application/json",  
  data: { message: $('#Message').val() },  
  success: function(res, status){  
    console.log(res);  
  }, error : function(res) {console.log(res); })
```

# Get user

---

Returns if given user exists

- URL  
/api/users/:user
  - Method:  
GET
  - URL Params  
Required:  
user=[string]
  - Data Params  
None
  - Success Response:
    - Code: 200 OK  
Content: {userID: 5}
  - Error Response:
    - Code: 404 NOT FOUND  
Content: { error : "User doesn't exist" }
- OR
- Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }
- OR
- Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: "/api/users/"+user,  
  method: "get",  
  contentType: "application/json",  
  success: function(res, status){  
    console.log(res);  
  }, error : function(res) {console.log(res); }}
```

## Get all videos

---

Returns json data array with all users video information depending on the game

- URL  
/api/videos/:game
- Method:  
GET
- URL Params  
Required:  
game=[string]
- Data Params  
None
- Success Response:
  - Code: 200 OK  
Content:

```
▼[{videoID: 40, videoTitle: "te", videoDescription: "te", game: "PUBG", rating: 1,...},...]  
▶0: {videoID: 40, videoTitle: "te", videoDescription: "te", game: "PUBG", rating: 1,...}  
▶1: {videoID: 36, videoTitle: "Sanhok 3k", videoDescription: "Sanhok king", game: "PUBG", rating: 2,...}  
▶2: {videoID: 35, videoTitle: "Sanhok 3k", videoDescription: "Sanhok king", game: "PUBG", rating: 2,...}  
▶3: {videoID: 34, videoTitle: "Military Base", videoDescription: "2k", game: "PUBG", rating: 1,...}  
▶4: {videoID: 33, videoTitle: "Sanhok 3k", videoDescription: "pls like", game: "PUBG", rating: 1,...}  
▶5: {videoID: 3, videoTitle: "pls work", videoDescription: "is itworking?", game: "PUBG", rating: 7,...}  
▶6: {videoID: 5, videoTitle: "Earth", videoDescription: "Beauty of Earth from Cosmos", game: "LOL",...}  
▶7: {videoID: 7, videoTitle: "1234", videoDescription: "qwerty", game: "PUBG", rating: 2,...}  
▶8: {videoID: 10, videoTitle: "567890", videoDescription: "quickscope", game: "PUBG", rating: 2,...}  
▶9: {videoID: 11, videoTitle: "1234", videoDescription: "qwerty", game: "PUBG", rating: 3,...}
```

- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "There's no videos for the chosen game" }

OR

  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }

OR

  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: '/api/videos/' + game,  
  method: 'get',  
  dataType: 'json',  
  
  success: function(res, status){  
    console.log(res);  
  },  
  error : function(res) {console.log(res); }}
```

# Update video rating

---

Updates video rating based on user input

- URL  
/api/videos/:game
- Method:  
PUT
- URL Params  
Required:  
game=[string]
- Data Params  
vID=[integer]  
rating=[boolean]
- Success Response:
  - Code: 200 OK  
Content: { success : "Rating updated successfully" }
- Error Response:
  - Code: 404 NOT FOUND  
Content: { error : "There's no videos for the chosen game" }OR
  - Code: 401 UNAUTHORIZED  
Content: { error : "You are unauthorized to make this request." }OR
  - Code: 500 INTERNAL SERVER ERROR  
Content: { error : "Internal Server Error" }
- Sample Call:

```
$.ajax({  
  url: "/api/videos/updateRating",  
  method : "post",  
  contentType: "application/json",  
  data : {vID: 1, rating: false },  
  success: function(res, status){  
    console.log(res);  
  }, error : function(res) {console.log(res); }}
```