API description template

*Please see the template tables (for each verb) that you can use to create the API specification that fits the given API (posted on Blackboard). To see an example for each Verb, see the result for the Server-side homework week 1.*

*Instead of this document and templates, you can use other tools to create the API specification as well. An example of such a tool is the Swagger Editor (*[*https://editor.swagger.io/*](https://editor.swagger.io/)*).*

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# Class diagram

*Put your class diagram here. Also write some text that describes what is going on in your class diagram. For example, point out what the different unique identifiers are for each class and how the classes are related to each other.*

# GET requests

*Add your requests here. Copy-paste the template for each different request.*

Template GET table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/users** | | | |
| Gets a list of all users. | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | |  | (path / query) |  |
|  | (path / query) |  |
|  | (path / query) |  |
|  | (path / query) |  |
|  | (path / query) |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns a list of all users, if no users are found an empty list returned | |
|  |  | |
|  |  | |
|  |  | |
|  |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/users/{ID}** | | | |
| Gets user data based on ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | ID | path | Gets user based on ID |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | User data is returned | |
| 404 | No user with given ID | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/Auctions** | | | |
| Gets all Auctions. | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | |  | (path / query) |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns a list of all Auctions, if no Auctions are found an empty list returned | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/Auctions/{ID}** | | | |
| Gets Auction data based on ID | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | ID | path | Gets Auction data based on ID |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Auction with ID is returned. | |
| 404 | No Auction is found. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/Bids** | | | |
| Gets all Bids. | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | |  | (path / query) |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns a list of all Bids, if no Bids are found an empty list returned | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GET** | **/api/** Bids **/{ID}** | | | |
| Gets Bids data based on ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | ID | path | Gets Bid data based on ID |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Bid with same ID is returned. | |
| 404 | No Bid is found. | |

# POST requests

*Add your requests here. Copy-paste the template for each different request.*

Template POST table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/Users** | | | |
| Creates a new user | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | user | body | Body containing user data |
|  | (path / body) |  |
|  | (path / body) |  |
|  | (path / body) |  |
|  | (path / body) |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | User is created. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/Auctions** | | | |
| Creates a new Auction | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | Auction | body | Body containing auction data |
|  | (path / body) |  |
|  | (path / body) |  |
|  | (path / body) |  |
|  | (path / body) |  |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Auction is created. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POST** | **/api/BIds** | | | |
| Creates a new bid | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | bid | body | Body containing bid data |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Bid is created. | |

# PUT requests

*Add your requests here. Copy-paste the template for each different request.*

Template PUT table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PATCH** | **/api/Users/{ID}** | | | |
| Updates user data based on ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | user | body | New user data to update. |
| ID | path | ID of user that’s going to update |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns updated user data | |
| 404 | No user with ID is found | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PATCH** | **/api/Auction/{ID}** | | | |
| Updates Aution data based on ID | | | | |
|  | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | Auction | body | New auction data to update. |
| ID | path | ID of auction that’s going to update |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns updated auction data | |
| 404 | No auction with ID is found | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PATCH** | **/api/BIds/{ID}** | | | |
| Updates bid data based on ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | bid | body | New bid data to update. |
| ID | path | ID of bid that’s going to update |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | Returns updated bid data | |
| 404 | No bid with ID is found | |

# DELETE requests

*Add your requests here. Copy-paste the template for each different request.*

Template PUT table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DELETE** | **/api/Users/{ID}** | | | |
| Delete user with matching ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | ID | path | ID of user that’s going to delete |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | User deleted. | |
| 404 | User not found | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DELETE** | **/api/Auctions/{ID}** | | | |
| Delete auction with matching ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | ID | path | ID of auction that’s going to delete |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | auction deleted. | |
| 404 | auction not found | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DELETE** | **/api/Bids/{ID}** | | | |
| Delete bid with matching ID | | | | |
| **Parameters:** | | **Name** | **Type** | **Description** |
| *Add a \* to the name of required parameters.* | | ID | path | ID of bid that’s going to delete |
| **Responses:** | | **Code** | **Description / example if successful** | |
|  | | 200 | bid deleted. | |
| 404 | bid not found | |