|  |  |
| --- | --- |
| POST **/bid** – Create bid | |
| Parameters | No parameters |
| Name | Description |
| body  object  *(body)* | Bid to create  Example Value  {  "user\_id": "23442423444",  "listing\_id": "132342344",  "bid\_price": 7  } |
| Responses | Content type – application/json |
| Code – 201 | Description – successful operation  Example Value  {  "code": 201,  "data": {  "bid\_price": 7,  "date": "2023-03-15 06:10:12 UTC+0800",  "listing\_id": "132342344",  "user\_id": "23442423444"  }  } |
| Code – 500 | Description – An error occurred creating the bid  Example Value  {  "code": 500,  "message": "An error occurred while creating the bid. Minimum bid increment is $0.50."  }  The part highlighted varies according to the error encountered. |
|  |  |
| GET **/bid/user/<user\_id>** – Retrieve all user bids by user\_id | |
| Parameters |  |
| Name | Description |
| user\_id  string  *(path)* | User id of user to return  Example Value  "23424234242" |
| Responses | Content type – application/json |
| Code – 200 | Description – successful operation  Example Value  {  "code": 200,  "data": {  "bids": [  {  "bid\_price": 134.2,  "date": "2023-03-14 04:21:59 UTC+0800",  "listing\_id": "94523424234",  "user\_id": "23424234242"  },  ]  }  } |
| Code – 404 | Description – User has no bids  Example Value  {  "code": 404,  "data": {  "user\_id": "62342423424"  },  "message": "There are no bids placed by the user."  } |
|  |  |
| GET **/bid/listing/<listing\_id>** – Retrieve all listing bids by listing\_id | |
| Parameters |  |
| Name | Description |
| listing\_id  string  *(path)* | Listing id of listing to return  Example Value  "94523424234" |
| Responses | Content type – application/json |
| Code – 200 | Description – successful operation  Example Value  {  "code": 200,  "data": {  "listing": [  {  "bid\_price": 130.2,  "date": "2023-03-14 04:28:58 UTC+0800",  "listing\_id": "94523424234",  "user\_id": "4645646464"  },  {  "bid\_price": 134.2,  "date": "2023-03-14 04:21:59 UTC+0800",  "listing\_id": "94523424234",  "user\_id": "23424234242"  }  ]  }  } |
| Code – 404 | Description – Listing has no bids  Example Value  {  "code": 404,  "data": {  "listing\_id": "1452342423"  },  "message": "No bids have been placed on this listing."  } |
|  |  |
| GET **/bid/<listing\_id>/<user\_id>** – Retrieve all listing bids of a user by listing\_id and user\_id | |
| Parameters |  |
| Name | Description |
| listing\_id  string  *(path)* | Listing id of listing to return  Example Value  "132342344" |
| user\_id  string  *(path)* | User id of user to return  Example Value  "1142423444" |
| Responses | Content type – application/json |
| Code – 200 | Description – successful operation  Example Value  {  "code": 200,  "data": {  "bids": [  {  "bid\_price": 6,  "date": "2023-03-14 23:26:44 UTC+0800",  "listing\_id": "132342344",  "user\_id": "1142423444"  }  ]  }  } |
| Code – 404 | Description – Listing has no bids made by user  Example Value  {  "code": 404,  "data": {  "listing\_id": "132342344",  "user\_id": "114242344"  },  "message": "User has not bid for this listing."  } |
|  |  |
| GET **/bid/highest/<user\_id>** – Retrieve the highest bid of a user per listing by listing\_id and user\_id | |
| Parameters |  |
| Name | Description |
| user\_id  string  *(path)* | User id of user to return  Example Value  "7456464562" |
| Responses | Content type – application/json |
| Code – 200 | Description – successful operation  Example Value  {  "code": 200,  "data": {  "bids": [  {  "bid\_price": 31,  "date": "2023-03-22 20:22:09 UTC+0800",  "listing\_id": "292342344",  "user\_id": "7456464562"  },  {  "bid\_price": 25.2,  "date": "2023-03-22 20:21:24 UTC+0800",  "listing\_id": "34523424234",  "user\_id": "7456464562"  },  {  "bid\_price": 2,  "date": "2023-03-22 20:22:28 UTC+0800",  "listing\_id": "862342344",  "user\_id": "7456464562"  }  ]  }  } |
| Code – 404 | Description – User has no bids  Example Value  {  "code": 404,  "data": {  "user\_id": "114242344"  },  "message": "There are no bids placed by the user."  } |