API Documentation – Changed APIs since CA1

Contents

[**POST /login** 2](#_Toc142223509)

[**GET /verify/token** 3](#_Toc142223510)

[**GET /verify/admin** 4](#_Toc142223511)

[**GET /game/:gid/platform/:platform** 4](#_Toc142223512)

[**POST /users/** 5](#_Toc142223513)

[**Endpoint 3: GET /user** 7](#_Toc142223514)

[**Endpoint 5: POST /platform** 8](#_Toc142223515)

[**POST /game** 10](#_Toc142223516)

[**GET /search/game** 16](#_Toc142223517)

[**POST /game/:gid/review** 20](#_Toc142223518)

[**GET /game/:id/review** 21](#_Toc142223519)

[**GET /game/review/:reviewid** 23](#_Toc142223520)

[**GET /platform** 24](#_Toc142223521)

[**GET /game/:gid/image** 24](#_Toc142223522)

[**GET /category** 26](#_Toc142223523)

[**GET /purchased/user/:userid** 27](#_Toc142223524)

[**POST /cart/game** 28](#_Toc142223525)

[**GET /cart/user/** 30](#_Toc142223526)

[**DELETE /cart/game/** 32](#_Toc142223527)

[**GET /cart/game/:gameid/:platformname** 33](#_Toc142223528)

[**PUT /preference/user** 34](#_Toc142223529)

[**GET /preference/user/** 36](#_Toc142223530)

[**GET /recommend/game/user/** 37](#_Toc142223531)

[**POST /checkout** 38](#_Toc142223532)

[**GET /purchased/user/** 39](#_Toc142223533)

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| --- |
| **POST /login** |
| To authenticate a user and return a JWT token |
| **Request Body:** |
| {  "email": "admin@gmail.com",  "password":"admin"  } |
| **Postman Response:** |
|  |
| **Error: credentials are wrong** |
|  |

|  |
| --- |
| **GET /verify/token** |
| Check whether a user has a valid token and thus logged in. |
| **Request Body:** |
| N/A |
| **Postman Response:** |
| **A screenshot of a computer  Description automatically generated** |
| **If user is not logged in** |
| **A screenshot of a computer  Description automatically generated** |

|  |
| --- |
| **GET /verify/admin** |
| Check whether a user is logged in and has a token |
| **Request Body:** |
| N/A |
| **Postman Response:** |
| **A screenshot of a computer  Description automatically generated** |
| **If user is not logged in or not admin** |
| **A screenshot of a computer  Description automatically generated** |

|  |
| --- |
| **GET /game/:gid/platform/:platform** |
| To get detailed information about a game, to put on the game pages. Extra information includes all platforms the game is on and category name and description |
| **Request Body:** |
| N/A |
| **Postman Response:** |
|  |
| **Error: game and platform combination does not exist** |
|  |

|  |
| --- |
| **POST /users/** |
| **Request Body:** |
| {  "username": "Terry Tan",  "email": "terry@gmail.com",  "password":"abc123",  "type": "Customer",  "profile\_pic\_url": "https://www.abc.com/terry.jpg"  } |
| **Postman Response:** |
| **A screenshot of a computer program  Description automatically generated** |
| **Error: email provided already exist** |
| **A screenshot of a computer  Description automatically generated** |
| **Other Error:** |
| **A screenshot of a computer program  Description automatically generated** |

|  |
| --- |
| **GET /user** |
| Uses token to get user |
| **Request Body:** |
| N/A |
| **Postman Response:** |
|  |
| **Error: not logged in** |
|  |

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| --- |
| **POST /platform** |
| Uses token to check if user is an admin |
| **Request Body:** |
| {  "platform\_name": "Xbox",  "description": "Game consoles created and owned by microsoft."  } |
| **Postman Response:** |
|  |
| **Error: The platform name provided already exists.** |
| **A screen shot of a computer  Description automatically generated** |
| **user not an admin:** |
|  |

|  |
| --- |
| **POST /game** |
| Game can optionally include an image. Token verifies whether user is an admin |
| **Request Body:** |
| {  "title": "Deep Rock Galactic",  "description": "cooperative first-person shooter video game developed by Danish studio Ghost Ship Games",  "price": "29.99,9.89,29.99",  "platformid": "1,3,4",  "categoryid": "4,13",  "year": 2018  } |
| **Postman Response: (without image)** |
| **A screen shot of a computer  Description automatically generated** |
| **Postman Response (With image):** |
|  |
| **Error: number of prices provided is not the same as number of platformid provided** |
| **A screenshot of a computer  Description automatically generated** |
| **Error: a platformed or categoryid is not an integer** |
| **A screenshot of a computer  Description automatically generated** |
| **Error: a price is not a number** |
| **A screenshot of a computer program  Description automatically generated** |
| **Error: a platformed or categoryid does not exist** |
| **A screenshot of a computer program  Description automatically generated** |
| **User is not an admin:** |
|  |
| **Error: image type not supported** |
|  |
| **Error: file too large** |
|  |

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| --- |
| **GET /search/game** |
| Can search for game title and/or platform and how to order search (all in query) |
| **Request queries:** |
| {  "platform”: “PC”,  “title”: “star”,  “sort”: “Title Asc”  } |
| **Postman Response:** |
|  |
| **Without title:** |
|  |
| **Without platform:** |
|  |
| **No games found** |
|  |

|  |
| --- |
| **POST /game/:gid/review** |
| Uses token to authenticate and decide who posts the review |
| **Request Body:** |
| {  "content": "Amazing OST and combat",  "rating": "4"  } |
| **Postman Response:** |
|  |
| **Error: rating out of range (1-5)** |
|  |
| **User not logged in** |
|  |

|  |
| --- |
| **GET /game/:id/review** |
| **Request Body:** |
| NA |
| **Postman Response:** |
|  |
| **Error:** |
|  |

|  |
| --- |
| **GET /game/review/:reviewid** |
| **Request Body:** |
| NA |
| **Postman Response:** |
|  |

|  |
| --- |
| **GET /platform** |
| **Request Body:** |
| NA |
| **Postman Response:** |
|  |

|  |
| --- |
| **GET /game/:gid/image** |
| **Request Body:** |
| N/A |
| **Postman Response:** |
| **A screenshot of a video game  Description automatically generated** |
| **Error: game does not exist** |
| **A screenshot of a computer  Description automatically generated** |
| **Error: game does not have an image** |
| **A screenshot of a computer  Description automatically generated** |
| **Other error:** |
| **A screenshot of a computer  Description automatically generated** |

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| --- |
| **GET /category** |
| Get all categories |
| **Request Body:** |
| N/A |
| **Postman Response:** |
|  |

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| --- |
| **GET /purchased/user/:userid** |
| Get a user’s purchased games. Requires requester to be logged in |
| **Request Body:** |
| N/A |
| **Postman Response:** |
|  |
| **User has no owned games:** |
|  |

|  |
| --- |
| **POST /cart/game** |
| Add a new game to the user’s cart |
| **Request Body:** |
| {  "gameid": 14,  "platformname": “PC”  } |
| **Postman Response:** |
|  |
| **Error: game already in user’s cart** |
|  |
| **Error: game not on platform** |
|  |
| **User not logged in** |
|  |

|  |
| --- |
| **GET /cart/user/** |
| Get the cart of the specified user and calculate the total in the cart. Uses token to authenticate |
| **Request Body:** |
| N/A |
| **Postman Response:** |
| (added time is the timestamp of when the game is added to cart) |
| **User’s cart is empty** |
|  |
| **User not logged in** |
|  |

|  |
| --- |
| **DELETE /cart/game/** |
| Delete game from user’s cart. Uses token to authenticate |
| **Request Body:** |
| {  "gameid": 14,  "platformname": “PC”  } |
| **Postman Response:** |
|  |
| **User not logged in** |
|  |

|  |
| --- |
| **GET /cart/game/:gameid/:platformname** |
| Check whether a game is in users cart or owned games. Uses token to authenticate |
| **Request Body:** |
| N/A |
| **Postman Response:** |
| **A screenshot of a computer program  Description automatically generated** |

|  |
| --- |
| **PUT /preference/user** |
| Update user’s preferred categories. Uses token to authenticate |
| **Request Body:** |
| {  "categoryid": "2,3,11"  } |
| **Postman Response:** |
|  |
| **Error: category does not exist** |
|  |
| **User not logged in** |
|  |

|  |
| --- |
| **GET /preference/user/** |
| View user’s preferred categories. Uses token to authenticate |
| **Request Body:** |
| NA |
| **Postman Response:** |
|  |
| **User not logged in** |
|  |

|  |
| --- |
| **GET /recommend/game/user/** |
| Get a user’s category preference. Requires requester to be logged in (have a valid JWT token) |
| **Request Body:** |
| N/A |
| **Postman Response:** |
|  |
| **User has no preferences** |
|  |
| **Error: not logged in** |
|  |

|  |
| --- |
| **POST /checkout** |
| Purchase games from user’s cart. Requires requester to be logged in |
| **Request Body:** |
| N/A  (frontend will send payment info, but this backend endpoint does not process it) |
| **Postman Response:** |
| **A screenshot of a computer  Description automatically generated** |
| **User not logged in** |
|  |

|  |
| --- |
| **GET /purchased/user/** |
| Get purchased games of a user. Uses token to authenticate |
| **Request Body:** |
| N/A |
| **Postman Response:** |
|  |
| **User has no games owned** |
|  |
| **User not logged in** |
|  |