# **Catalogue Service API**.

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| Version | Base URI | Authentication. |
| 1.0 | http://host:port/v1/toys | Public API Authentication is not required. |

The Catalogue service API helps the consumer to choose the right toys based on their specific requirements For Example - price and stock availability, etc.

## **Toy listing service**

URI - http://host:port/api/v1.0/catalogue

**Get the list of all the toys which are currently in stock (returns only toys available in inventory)**.

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| Method | Get |
| URL | <http://host:port/api/v1.0/catalogue> |
| Response | JSON response with List of toys data or Error message in case of Error.  Example: -http://localhost:8080/api/v1.0/catalogue   1. **List of Toy information for Success response**: Example   {  "data": [{  "id": 1000,  "price": 10.0,  "name": "Playing Card",  "age": 1,  "url": "http://localhost:8080/PlayingCard.png"  }, {  "id": 1001,  "price": 150.0,  "name": "Remote Control Car",  "age": 1,  "url": "http://localhost:8080/RemoteCar.png"  }  ],  "message": null  }   1. **For Error Response**   {  "data": null ,  "message": “ Error message here”  } |
| Comment | Default returns all toys with Stock=available. |

**Get the list of all the toys filtered by the price ( returns only toys available in inventory).**

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| Method | Get |
| URL | http://host:port/api/v1.0/catalogue?price=<from>-<to> |
| Response | JSON response with List of toys data or Error message in case of Error.  Example: -http://localhost:8080/api/v1.0/catalogue?price=150   1. **List of Toy information for Success response**: Example   {  "data": [{  "id": 1001,  "price": 150.0,  "name": "Remote Control Car",  "age": 1,  "url": "http://localhost:8080/RemoteCar.png"  }  ],  "message": null  }   1. **For Error Response HttpStatus=400**   {  "data": null ,  "message": “Price format not valid”  } |
| Comment | Price=<from>-<to>. Includes all toys between from and to prices including both prices.  Price=<from>. Includes all toys greater than and equal to “from” price.  Price=-<to>. Includes all toys less than and equal to “to” price. |

**If you want toys other than those available in inventory, you can filter them using stockstatus**

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| --- | --- |
| Method | Get |
| URL | <http://host:port/api/v1.0/catalogue?price>=<from>-<to>&stockstatus=[available|backorder|outofstock] |
| Response | Example: -http://localhost:8080/api/v1.0/catalogue?stockstatus=backorder   * **List of Toy information for Success response**: Example   {  "data": [{  "id": 1001,  "price": 150.0,  "name": "Remote Control Car",  "age": 1,  "url": "http://localhost:8080/RemoteCar.png"  }  ],  "message": null  } |
| Comment | stockstatus=available – Get only toys that are available in stock. This is the default behaviour of API if no input is provided.  stockstatus = outofstock – Get all toys not available.  stockstatus = backorder– All toys which are currently out of stock. |