

Interface Agreement
System Requirements Specification
DEMO ECOMERCE Services

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1. Introduction

1.1 Scope

Dokumen spesifikasi ini adalah dokumen demo service API Ecommerce untuk panduan menggunakan Service API.

1.2 Intended Audience

The intended audience for this document is as follows:

- Solution Architecture Team
- Functional / Technical Design Team
- Development Team
- Testing Team
- Deployment Team
- Provider System Owner Team
- Consumer System Owner Team

2. ECOMMERCE DESAIN SERVICE

2.1 Get Token Untuk Authorize API

Service ini adalah service untuk mendapatkan token yang nanti akan digunakan sebagai Authorize saat menggunakan semua service yang ada.

2.1.1 Resource Specification

Pods Name	Get Token
Description	API to get Token
Endpoint URI	http://[FQDN]:[port]/v1/token
Transport Protocol	HTTP
Request Verb	POST
Content Type	application/json
Interaction Type	Synchronous

2.1.2 Request & Response

2.1.2.1 Request Headers

Header Field Name	Acceptable Value
content-type	application/json

Request Header Example:

```
content-type: application/json
```

2.1.2.2 Request Query Parameters

N/A

Request Query Parameters Example:

N/A

2.1.2.3 Request Body

Element Name	Data Type	Repeatable	Length	M/O	Description
data	Object	No	-	O	
nama	String	No	-	M	Nama ini adalah nama dari pembeli atau user login yang ada di table pembeli
password	String	No	-	M	Password ini adalah password dari pembeli atau user login yang ada di table pembeli

Note: M=Mandatory, O=Optional

Request Body Example:

```
{
  "data":
  {
    "nama" : "Teguh",
    "password" : "123"
  }
}
```

2.1.2.4 Response Headers

Header Field Name	Acceptable Value
Content-Type	application/json

Response Headers Example:

```
Content-Type: application/json
```

2.1.2.5 Response Body

Element Name	Data Type	Repeatable	Length	M/O	Description
token	String	No	N/A	M	Token untuk Authorized
status	Object	No	N/A	M	Status Reuest
statusCode	String	No	N/A	M	Status Code

Note: M=Mandatory, O=Optional

Response Body Example 200 Success:

```
{
    "Token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJUZWRldlaciSImldhdCI6MTYyNTkzMzQ0MCwic3ViIjoizWNvbWllcmNlIiwiaXNzIjoiUFQuQ1VBtKEiLCJleHAiOjE2MjYwMTk4NDNB9.pHLTwAqugnt65HsdR3iDuZpojeoKnUyONjTOy2Dgt_0",
    "status": "Suksess",
    "statusCode": "00"
}
```

Response Body Example 400 Bad Request:

```
{
  "status": "Gagal",
  "statusCode": "01"
}
```

2.1.3 Get Token Code

HTTP Status	Status Code	Description
200	00	Success
400	N/A	No Body Request

2.2 Get Resource Mencari Items

Service Ini adalah service untuk mencari Item dengan parameter nama item.

2.2.1 Resource Specification

Pods Name	Search Item
Description	API to get resource Item.
Endpoint URI	http://[FQDN]:[port]/v1/search/{Parameter}
Transport Protocol	HTTP
Request Verb	GET
Content Type	application/json
Interaction Type	Synchronous
Security Policy*	Pembeli & token

2.2.2 Request & Response

2.2.2.1 Request Headers

Header Field Name	Acceptable Value
content-type	application/json
pembeli	String
token	String

Please refer to Section 3.1.2 for api_key and x-signature

Request Header Example:

```
content-type: application/json
token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJUZWdlaCIsImhhdCI6MTYyNTkzMzQ0MCwic3ViIjoizWNvbW1lcmNlIiwiaXNzIjoiaUFQuQ1VBTKkEiLCJleHAiOjE2MjYwMTk4NDk5.pHLTwAqugnt65HsdR3iDuZpOjeoKnUy0NjTOy2DGt_0
pemeli: Teguh
```

2.2.2.2 Request Path Variable Parameters

Element Name	Data Type	Repeatable	Length	M/O	Description
items	String	No	N/A	M	Nama Items

Request Path Variable Parameters Example:

http://[FQDN]:[port]/v1/search/paramek

2.2.2.3 Request Body

N/A

2.2.2.4 Response Headers

Header Field Name	Acceptable Value
Content-Type	application/json

Response Headers Example:

```
Content-Type: application/json
```

2.2.2.5 Response Body

Element Name	Data Type	Repeatable	Length	M/O	Description
Data	Object	No	-	M	
nama	String	No	-	M	Nama Items
harga	Integer	No	-	M	Harga Items
id	Integer	No	-	M	Id Items
status	String	No	-	M	Status Request
statusCode	Integer	No	-	M	Status Code

Note: M=Mandatory, O=Optional

Response Body Example 200 Success:

```
{
  "data": {
    "nama": "paramex",
    "harga": "7500",
    "id": 2
  },
  "status": "Sukses",
  "statusCode": "00"
}
```

Response Body Example 400 Bad Request:

```
{
  "status": "Item Tidak Ditemukan",
  "statusCode": "01"
}
```

2.2.3 Status Code

HTTP Status Code	Reason Code	Description
200	00	Sukses
400	01	{ MESSAGE ERROR }

2.3 ADD Item

Service ini adalah service yang digunakan untuk menambahkan items pada cart hanya bisa satu items .

2.3.1 Resource Specification

Pods Name	Add Item
Description	API add to cart one Item.
Endpoint URI	http://[FQDN]:[port]/v1/additem?{items=params}&{jumlah=params}
Transport Protocol	HTTP
Request Verb	POST
Content Type	application/json
Interaction Type	Synchronous
Security Policy*	Pembeli & token

2.3.2 Request & Response

2.3.2.1 Request Headers

Header Field Name	Acceptable Value
content-type	application/json
pembeli	String
token	String

Request Header Example:

```
content-type: application/json
token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJUZWRldlaciSImldhdCI6MTYyNTkzMzQ0MCwic3ViI
joiZWVnbW1lcmNlIiwiaXNzIjoieUFQUzQ1VBTkEiLCJleHAiOjE2MjYwMTk4NDB9.pHLTwAqugnt65HsdR3iDuZ
pOjeoKnUy0NjTOy2DGt
pemeli: Teguh
```

2.3.2.2 Request Query Parameters

Element Name	Data Type	Repeatable	Length	M/O	Description
items	String	No	N/A	M	Nama Items
jumlah	Integer	No	N/A	M	Jumlah Item

Request Query Parameters Example:

```
http://[FQDN]:[port]/v1/additem?items=paramek&jumlah=5
```

2.3.2.3 Request Body

NA

2.3.2.4 Response Headers

Header Field Name	Acceptable Value
Content-Type	application/json

Response Headers Example:

```
Content-Type: application/json
```

2.3.2.5 Response Body

Element Name	Data Type	Repeatable	Length	M/O	Description
Status	String	No	N/A	M	Status Request
statusCode	Integer	No	N/A	M	Status Code

Note: M=Mandatory, O=Optional

Response Body Example **200 Success**:

```
{
  "status": "Sukses Menambahkan ke keranjang",
  "statusCode": "00"
}
```

Response Body Error **500 Internal Server Error**:

```
{
  "statusCode": "01",
  "status": "Duplicate items : parametrik"
}
```

Response Body Error **400 Bad Request**:

```
{
  "status": "Item Tidak Ditemukan",
  "statusCode": "01"
}
```

2.3.3 Status Code

HTTP Status Code	ESB-CO Reason Code	Description
200	00	Success
500	01	Duplicate items
400	01	Item Tidak Ditemukan

2.4 Add More Items

Service ini adalah service yang digunakan untuk menambahkan items pada cart dengan banyak items.

2.4.1 Resource Specification

Pods Name	Add Item More
Description	API add to Cart many Item.
Resource URL	http://[FQDN]:[port]/v1/addmore
Transport Protocol	HTTP
Request Verb	POST
Content Type	application/json
Interaction Type	Synchronous
Security Policy *	Pembeli & token

2.4.2 Request & Response

2.4.2.1 Request Headers

Header Field Name	Acceptable Value
content-type	application/json
pembeli	String
token	String

Request Header Example:

```
content-type: application/json
token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJUZWdlaCIsImhhdCI6MTYyNTkzMzQ0MCwic3ViIjoizWNvbWllcmNlIiwiaXNzIjoiaUFQuQ1VBTkEiLCJleHAiOjE2MjYwMTk4NDB9.pHLTwAqugnt65HsdR3iDuZpOjeoKnUy0NjTOy2DGt
pemeli: Teguh
```

2.4.2.2 Request Query Parameters

N/A

Request Query Parameters Example:

N/A

2.4.2.3 Request Body

Element Name	Data Type	Repeatable	Length	M/O	Description
data	Object	No	-	M	
items	String	Yes	-	M	Nama Items
jumlah	Integer	Yes	-	M	Jumlah Items

Note: M=Mandatory, O=Optional

Request Body Example:

```
{
  "data": [
    {
      "items": "panadol",
      "jumlah": "5"
    },
    {
      "items": "paramek",
      "jumlah": "5"
    },
    {
      "items": "mixagrip",
      "jumlah": "1"
    }
  ]
}
```

2.4.2.4 Response Headers

Header Field Name	Acceptable Value
Content-Type	application/json

Response Headers Example:

```
Content-Type: application/json
```

2.4.2.5 Response Body

Element Name	Data Type	Repeatable	Length	M/O	Description
Status	String	No	N/A	M	Status Request
statusCode	Integer	No	N/A	M	Status Code

Note: M=Mandatory, O=Optional

Response Body Example **200 Success** :

```
{
  "status": "Semua Item Sukses ditambahkan ke keranjang",
  "statusCode": "00"
}
```

Response Body Error Example **400 Bad Request**:

```
{
  "status": "Duplicate items : panadol,Duplicate items : paramek,Duplicate items : mixagrip",
  "statusCode": "01"
}
```

2.4.3 Status Code

HTTP Status Code	ESB-CO Reason Code	Description
200	00	Success
400	01	Duplicate items or error message

2.5 Delete Item Dari Cart

Service ini adalah service yang di gunakan untuk Menghapus items pada cart dengan hanya satu items.

2.5.1 Resource Specification

Pods Name	Delete Items
Description	API Delete Item From Cart.
Resource URL	<code>http://[FQDN]:[port]/v1/delete/{param}</code>
Transport Protocol	HTTP
Request Verb	DELETE
Content Type	application/json
Interaction Type	Synchronous
Security Policy *	<i>Pembeli & token</i>

2.5.2 Request & Response

2.5.2.1 Request Headers

Header Field Name	Acceptable Value
content-type	application/json
pembeli	String
token	String

Request Header Example:

```
content-type: application/json
token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJUZWdlaCIsIm1hdCI6MTYyNTkzMzQ0MCwic3ViIjoizWNvbW1lcmN1IiwiaXNzIjoiaUZFQUQ1VBTkEiLCJleHAiOjE2MjYwMTk4NDNB9.pHLTwAqugnt65HsdR3iDuZpOjeoKnUy0NjTOy2DGt
pemeli: Teguh
```

2.5.2.2 Request Path Variable Parameters

Element Name	Data Type	Repeatable	Length	M/O	Description
items	String	No	N/A	M	Nama Items

Request path Variable Parameters Example:

```
http://[FQDN]:[port]/v1/delete/paramek
```

2.5.2.3 Request Body

N/A

Request Body Example:

N/A

2.5.2.4 Response Headers

Header Field Name	Acceptable Value
Content-Type	application/json

Response Headers Example:

Content-Type: application/json

2.5.2.5 Response Body

Element Name	Data Type	Repeatable	Length	M/O	Description
Status	String	No	N/A	M	Status Request
statusCode	Integer	No	N/A	M	Status Code

Note: M=Mandatory, O=Optional

Response Body Example 200 Success :

```
{
  "status": "Suksess",
  "statusCode": "00"
}
```

Response Body Error Example 400 Bad Request:

```
{
  "status": "Item Tidak Ditemukan",
  "statusCode": "01"
}
```

2.5.3 Status Code

HTTP Status Code	ESB-CO Reason Code	Description
200	00	Success
400	01	error mesage

2.6 GET All Cart Untuk Melihat Cart

Service ini adalah service yang di gunakan untuk melihat daftar belanja dan total biaya yang harus di keluarkan berdasarkan nama pembeli.

2.6.1 Resource Specification

Pods Name	Get All Cart
Description	API Get All cart Items
Endpoint URI	http://[FQDN]:[port]/v1/chart
Transport Protocol	HTTP
Request Verb	GET
Content Type	application/json
Interaction Type	Synchronous
Security Policy*	Pembeli & token

2.6.2 Request & Response

2.6.2.1 Request Headers

Header Field Name	Acceptable Value
content-type	application/json
pembeli	String
token	String

Request Header Example:

```
content-type: application/json
token:
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJqdGkiOiJUZWR1aCIsImhhdCI6MTYyNTkzMzQ0MCwic3ViIjoiZWVnbW1lcmNlIiwiaXNzIjoiUFQuQ1VBTKkiLCJleHAiOjE2MjYwMTk4NDB9.pHLTwAqugnt65HsdR3iDuZpOjeoKnUy0NjTOy2DGt
pemeli: Teguh
```

2.6.2.2 Request Query Parameters

N/A

Request Query Parameters Example:

N/A

2.6.2.3 Request Body

N/A

2.6.2.4 Response Headers

Header Field Name	Acceptable Value
Content-Type	application/json

Response Headers Example:

2.6.2.5 Response Body

Element Name	Data Type	Repeatable	Length	M/O	Description
data	Object	No	-	M	
nama	-	Yes	-	M	Nama Items
harga	String	Yes	N/A	M	Harga Items
jumlah	Integer	Yes	N/A	M	Jumlah Items
totalharga	Integer	Yes	N/A	M	Total Harga
harga total all item	Integer	No	N/A	M	Total Harga all Item
status	String	No	N/A	M	Status Request
statusCode	Integer	No	N/A	M	Status Code

Note: M=Mandatory, O=Optional

Response Body Example 200 Success:

```
{
  "data": [
    {
      "nama": "panadol",
      "harga": "8000",
      "jumlah": 5,
      "totalharga": 40000
    },
    {
      "nama": "paramek",
      "harga": "7500",
      "jumlah": 5,
      "totalharga": 37500
    },
    {
      "nama": "mixagrip",
      "harga": "6000",
      "jumlah": 10,
      "totalharga": 60000
    }
  ],
  "harga total all item": 137500,
  "status": "Suksess",
  "statusCode": "00"
}
```

Response Body Example 400 Bad Request:

```
{
  "status": "Item Tidak Ditemukan",
  "statusCode": "01"
}
```

2.6.3 ESB Status Code

HTTP Status Code	ESB-CO Reason Code	Description
200	00	Success
400	01	error mesage

3. Appendix

3.1 Integration

3.1.1 Integration Standard

No	Standard
1	[FQDN] = IP Server or Domain
2	[PORT] = Port WEB SERVER