EDGELOYALTYMWSERVICE SPECIFICATION

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Author: Sumeet Madan

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Objective

The objective of this document is to list the specifications for EdgeLoyaltyMWService which interacts with Loyalty Points System to provide the following functionalities:

1. View Catalogue

2. View Loyalty Points

3. Redeem Loyalty Points

View Catalogue

This service fetches the list of products linked with the provided Catalogue:

Operation Name : ViewCatalogue

REQUEST

HEADER

Field	Length	M/O	Description
UniqueId	9	M	Unique Alphanumeric ID (without special characters) from the source system
ServiceRequestId	30	M	Hardcoded Value – MW.HKN
ServiceRequestVersion	3	M	Hardcoded Value – 1.0
ChannelId	3	M	Hardcoded Value – HKN

BODY

Field	Length	M/O	Description
CatalogueName	5	M	Catalogue Name for which linked products are required.

Sample
```
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org">
   <soapenv:Header>
      <tem:subHeader>
         <tem:UniqueId>CTL000001</tem:UniqueId>
         <tem:ServiceRequestId>MW.HKN</tem:ServiceRequestId>
         <tem:ServiceRequestVersion>1.0</tem:ServiceRequestVersion>
```

```
            <tem:ChannelId>HKN</tem:ChannelId>
        </tem:subHeader>
    </soapenv:Header>
    <soapenv:Body>
        <tem:CatalogueViewRequest>
            <tem:ViewCatalogueReq>
                <tem:CatalogueName>C01</tem:CatalogueName>
            </tem:ViewCatalogueReq>
        </tem:CatalogueViewRequest>
    </soapenv:Body>
</soapenv:Envelope>
```

RESPONSE

HEADER

Field	Length	M/O	Description
UniqueId	9	M	Unique Alphanumeric ID (without special characters) from the source system
ServiceRequestId	30	M	Hardcoded Value – MW.HKN
ServiceRequestVersion	3	M	Hardcoded Value – 1.0
ChannelId	3	M	Hardcoded Value – HKN

BODY

Field	Length	M/O	Description
ResponseCode	3	M	Status code of the request.
ResponseDescription	999	M	Status description of the request.
Catalogue List			
CatalogueProduct	10	M	Product Name linked to the provided Catalogue.
Points	19	M	Loyalty points to be redeemed for the product

Sample

```
<NS1:Envelope xmlns:NS1="http://schemas.xmlsoap.org/soap/envelope/">
    <NS1:Header>
        <NS2:subHeader xmlns:NS2="http://tempuri.org">
            <NS2:UniqueId>CTL000001</NS2:UniqueId>
            <NS2:ServiceRequestId>MW.HKN</NS2:ServiceRequestId>
            <NS2:ServiceRequestVersion>1.0</NS2:ServiceRequestVersion>
            <NS2:ChannelId>HKN</NS2:ChannelId>
        </NS2:subHeader>
    </NS1:Header>
    <NS1:Body>
        <NS3:CatalogueViewResponse xmlns:NS3="http://tempuri.org">
            <NS3:ResponseCode>000</NS3:ResponseCode>
            <NS3:ResponseDescription>Success</NS3:ResponseDescription>
```

```
            <NS3:ViewCatalogueRsp>
                <NS3:CatalogueProduct>C01P1</NS3:CatalogueProduct>
                <NS3:Points>5</NS3:Points>
            </NS3:ViewCatalogueRsp>
            <NS3:ViewCatalogueRsp>
                <NS3:CatalogueProduct>C01P2</NS3:CatalogueProduct>
                <NS3:Points>5</NS3:Points>
            </NS3:ViewCatalogueRsp>
            <NS3:ViewCatalogueRsp>
                <NS3:CatalogueProduct>C01P3</NS3:CatalogueProduct>
                <NS3:Points>10</NS3:Points>
            </NS3:ViewCatalogueRsp>
            <NS3:ViewCatalogueRsp>
                <NS3:CatalogueProduct>C01P4</NS3:CatalogueProduct>
                <NS3:Points>5</NS3:Points>
            </NS3:ViewCatalogueRsp>
            <NS3:ViewCatalogueRsp>
                <NS3:CatalogueProduct>C01P5</NS3:CatalogueProduct>
                <NS3:Points>7</NS3:Points>
            </NS3:ViewCatalogueRsp>
        </NS3:CatalogueViewResponse>
    </NS1:Body>
</NS1:Envelope>
```

View Loyalty Points

This service provides the available loyalty points for the provided customer id :

Operation Name : ViewPoints

REQUEST

HEADER

Field	Length	M/O	Description
UniqueId	9	M	Unique Alphanumeric ID (without special characters) from the source system
ServiceRequestId	30	M	Hardcoded Value – MW.HKN
ServiceRequestVersion	3	M	Hardcoded Value – 1.0
ChannelId	3	M	Hardcoded Value – HKN

BODY

Field	Length	M/O	Description
CustomerId	9	M	Customer Id for which available loyalty points are required to be fetched.

Sample

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org">
  <soapenv:Header>
    <tem:subHeader>
      <tem:UniqueId>VP0000001</tem:UniqueId>
      <tem:ServiceRequestId>MW.HKN</tem:ServiceRequestId>
      <tem:ServiceRequestVersion>1.0</tem:ServiceRequestVersion>
      <tem:ChannelId>HKN</tem:ChannelId>
    </tem:subHeader>
  </soapenv:Header>
  <soapenv:Body>
    <tem:ViewPointsRequest>
      <tem:ViewPointsReq>
        <tem:CustomerId>CUST00798</tem:CustomerId>
      </tem:ViewPointsReq>
    </tem:ViewPointsRequest>
  </soapenv:Body>
</soapenv:Envelope>

RESPONSE

HEADER

Field	Length	M/O	Description
UniqueId	9	M	Unique Alphanumeric ID (without special characters) from the source system
ServiceRequestId	30	M	Hardcoded Value – MW.HKN
ServiceRequestVersion	3	M	Hardcoded Value – 1.0
ChannelId	3	M	Hardcoded Value – HKN

BODY

Field	Length	M/O	Description
ResponseCode	3	M	Status code of the request.
ResponseDescription	999	M	Status description of the request.
CustomerId	9	M	Customer Id.
RegisteredFlag	1	M	Flag to determine if customer is registered for Loyalty Points. 'Y' – Registered. 'N' – Not Registered.
AvailablePoints	19	M	Loyalty points available for customer to redeem.

Sample

<NS1:Envelope xmlns:NS1="http://schemas.xmlsoap.org/soap/envelope/">
  <NS1:Header>
    <NS2:subHeader xmlns:NS2="http://tempuri.org">

```
            <NS2:UniqueId>VP0000001</NS2:UniqueId>
            <NS2:ServiceRequestId>MW.HKN</NS2:ServiceRequestId>
            <NS2:ServiceRequestVersion>1.0</NS2:ServiceRequestVersion>
            <NS2:ChannelId>HKN</NS2:ChannelId>
        </NS2:subHeader>
    </NS1:Header>
    <NS1:Body>
        <NS3:ViewPointsResponse xmlns:NS3="http://tempuri.org">
            <NS3:ResponseCode>000</NS3:ResponseCode>
            <NS3:ResponseDescription>Success</NS3:ResponseDescription>
            <NS3:ViewPointsRsp>
                <NS3:CustomerId>CUST00798</NS3:CustomerId>
                <NS3:RegisteredFlag>Y</NS3:RegisteredFlag>
                <NS3:AvailablePoints>147852963</NS3:AvailablePoints>
            </NS3:ViewPointsRsp>
        </NS3:ViewPointsResponse>
    </NS1:Body>
</NS1:Envelope>
```

Redeem Loyalty Points

This service redeems the provided number of loyalty points against the customer id.

Operation Name : RedeemPoints

REQUEST

HEADER

Field	Length	M/O	Description
UniqueId	9	M	Unique Alphanumeric ID (without special characters) from the source system
ServiceRequestId	30	M	Hardcoded Value – MW.HKN
ServiceRequestVersion	3	M	Hardcoded Value – 1.0
ChannelId	3	M	Hardcoded Value – HKN

BODY

Field	Length	M/O	Description
CustomerId	9	M	Customer Id.
RedeemPoints	19	M	No. of loyalty points to be redeemed.

Sample

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org">
  <soapenv:Header>
    <tem:subHeader>
      <tem:UniqueId>RP0000001</tem:UniqueId>
      <tem:ServiceRequestId>MW.HKN</tem:ServiceRequestId>
      <tem:ServiceRequestVersion>1.0</tem:ServiceRequestVersion>
      <tem:ChannelId>HKN</tem:ChannelId>
    </tem:subHeader>
  </soapenv:Header>
  <soapenv:Body>
    <tem:RedeemPointsRequest>
      <tem:RedeemPointsReq>
        <tem:CustomerId>CUST00798</tem:CustomerId>
        <tem:RedeemPoints>113</tem:RedeemPoints>
      </tem:RedeemPointsReq>
    </tem:RedeemPointsRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

RESPONSE

HEADER

Field	Length	M/O	Description
UniqueId	9	M	Unique Alphanumeric ID (without special characters) from the source system
ServiceRequestId	30	M	Hardcoded Value – MW.HKN
ServiceRequestVersion	3	M	Hardcoded Value – 1.0
ChannelId	3	M	Hardcoded Value – HKN

BODY

Field	Length	M/O	Description
ResponseCode	3	M	Status code of the request.
ResponseDescription	999	M	Status description of the request.
CustomerId	9	M	Customer Id.
RegisteredFlag	1	M	Flag to determine if customer is registered for Loyalty Points. 'Y' – Registered. 'N' – Not Registered.
AvailablePoints	19	M	Loyalty points available for customer to redeem.

Sample

```
     <NS1:Envelope
xmlns:NS1="http://schemas.xmlsoap.org/soap/envelope/">
   <NS1:Header>
      <NS2:subHeader xmlns:NS2="http://tempuri.org">
         <NS2:UniqueId>RP0000001</NS2:UniqueId>
         <NS2:ServiceRequestId>MW.HKN</NS2:ServiceRequestId>
         <NS2:ServiceRequestVersion>1.0</NS2:ServiceRequestVersion>
         <NS2:ChannelId>HKN</NS2:ChannelId>
      </NS2:subHeader>
   </NS1:Header>
   <NS1:Body>
      <NS3:RedeemPointsResponse xmlns:NS3="http://tempuri.org">
         <NS3:ResponseCode>000</NS3:ResponseCode>
         <NS3:ResponseDescription>Success</NS3:ResponseDescription>
         <NS3:RedeemPointsRsp>
            <NS3:CustomerId>CUST00798</NS3:CustomerId>
            <NS3:RegisteredFlag>Y</NS3:RegisteredFlag>
            <NS3:AvailablePoints>147852850</NS3:AvailablePoints>
         </NS3:RedeemPointsRsp>
      </NS3:RedeemPointsResponse>
   </NS1:Body>
</NS1:Envelope>
```