TMF APIs for Dummies
Nice Hackathon

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TMF Hackathon APIs

Product Ordering API	Product Catalog API	Product Inventory API	Billing API	SLA Management API	Trouble Ticket API

You have something to sell ?

- Create your Prospective Customers Party API
- Put what you have to sell in a Catalog Catalog API
- Enroll your Customers Customer API
- Let the Customers Order what they want Order API
- Make them happy with good SLAs and Trouble Ticketing ! SLA and Trouble Ticketing API
- Record their usage of the Product Usage API
- BILL THEM Billing API

What APIs ?

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- Put what you have to sell in a Catalog Catalog API
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- Record Customer usage of a Product Usage API
- BILL the Customers Billing API
- More in TMF APIs for Dummies

Do you have Customers ?

- Yes then you must have Customer Accounts
- Otherwise they are just someone or some organization ...a Party

Customer Management API

Lets Add the Customer

- At minimum we need a Payment Mean and a way to Contact the Customer
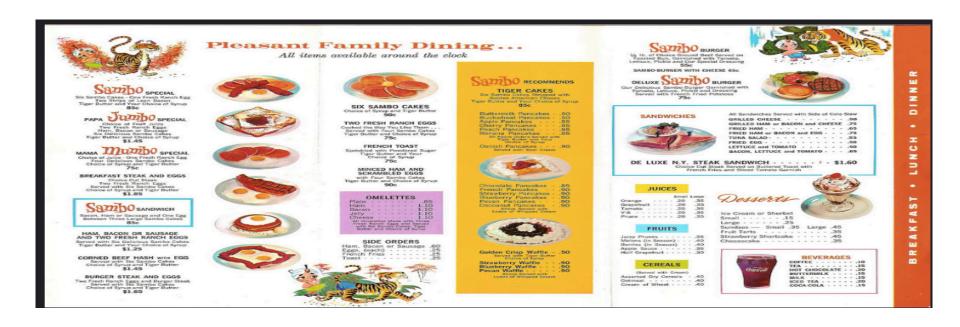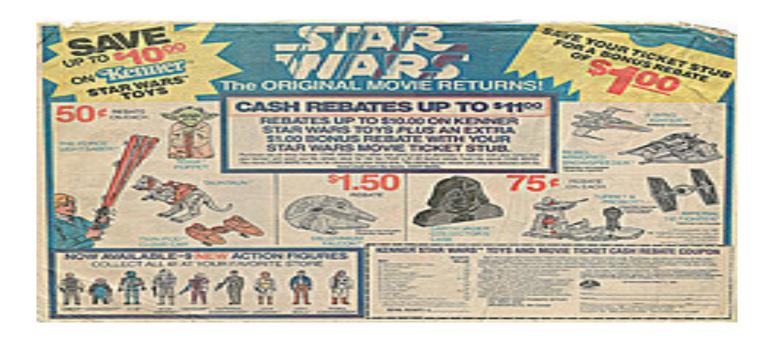
Lets Create a Customer Account

When to use the Catalog Management API

- When we want to expose Product Offers and Product Specifications …

- To create and expose entries in the menu !

Ok then ...what is a Product Offer

- A Product Offer is a Product Specification made available to the market with some Price

You said a Product Specification what is that ?

- A Product Specification is a resource capturing the attributes or features that a Product will have when you consume it

- I am a Canoe my color could be RED or ORANGE

Order Management API

- When Ordering a Product from a Partner….
- Think about sending a Command !

What can we Order ?

- We can Order Product Offers from the Catalog
- Passing a Command based on a Menu !

Ok you got me confused now you were talking about Products ...

- Think about your laptops MacBook , MacBook Air etc.. they all have different attributes or features

- They are in Apple Catalog however when you get a laptop you get a Product not an entry in a Catalogue got it ?

And now a Product Inventory !

- Products with well know characteristics can be stored in an Inventory prior to their use or as they are manufactured ....

Oops something is going wrong with the Product!

- Lets create an Incident or Ticket and get our support staff to look after it...

- When the problem is solved you will know it !

But in the mean time this constitutes an SLA violation

- Product should be working continuously within its quota ...
- We will pay you if it does not !

Ok now what about Service Level Agreement ?

- Service Level Agreements are contracts representing what we expect from a Product when we buy it ...

- And it has consequences !

Ok lets gather the product Usage

- Usage Line and then Charge it !
- Applied Customer Charge

And Bill the Customer

- At minimum we need to create a Billing Account
  - Customer Account ID
  - Related Party (Role par rapport a la facture payer= customer)
  - billingAccountBalance track payments
  - Payment mean

appliedCustomerBillingCharge

- Charges pour Service rendus
- Relation avec le Billing Account
- Billing System
- Settlement Note (Montant reverse a un partenaire)
- Customer Bill /Facture