

# Outline

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- 1 Overview
  - REST
  - BPEL
- 2 Comparison
- 3 Who did what

# Overview

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## COMPONENT DIAGRAM

# Dummy Services

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- LameDuck and NiceView

# Dummy Services

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- LameDuck and NiceView
- Defined by WSDL/XSD documents

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- Communicates with BankService

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- LameDuck and NiceView
- Defined by WSDL/XSD documents
- Communicates with BankService
- Implemented to fit wanted unit tests

# Overview - REST

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- Resources

# Overview - REST

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- Resources
  - Itinerary



# Overview - REST

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- Resources
  - Itinerary
  - Flight

# Overview - REST

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- Resources
  - Itinerary
  - Flight
  - Hotel

# Overview - REST

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- Resources
  - Itinerary
  - Flight
  - Hotel
- Representations

# Overview - REST

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- Resources
  - Itinerary
  - Flight
  - Hotel
- Representations
  - ItineraryRepresentation

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- Interface mapping



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- Interface mapping
  - createltinerary (POST) creates the itinerary

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  - getItinerary (GET) gives the idempotent state of the itinerary

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- Interface mapping
  - createItinerary (POST) creates the itinerary
  - getItinerary (GET) gives the idempotent state of the itinerary
  - addFlight (PUT) adds a new flight to the itinerary
  - removeItinerary (DELETE) removes the itinerary

# Overview - BPEL

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- Cancel phase

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  - Plan flights/hotels – kept in global variables
  - Attempt booking, loops all planned flights/hotels
  - Compensation handler on each booking attempt
- Cancel phase
  - Attempts to cancel all flights/hotels
  - Times out after a certain point in time

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# Comparison BPEL vs REST

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## Who did what