

Cloud Application Services

Project Proposal - Hotel Booking

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Component 1

The proposed web application is hotel booking where end user can search for hotels in specific city and book it accordingly. The application also provides basic viewing of hotel to be booked. Here is basic specification of application.

- Take destination from the user, provide them available hotel with cheapest commute options for that destination.
- API will share the cheapest holiday option for any time of the year, the booking details of the user, most frequently visited place and travel season when they are frequently visited.
- Commercial API to be used – Google login, Google Maps, Geocode, Gmail

Component 2

Service

- Travelling details of user, Source and destination, travel time and mode of commute.
- Most frequently booked and visited place, Travel season when they are frequently visited, Cheapest holiday options for any time of the year.
- Sample XML response:

API 1	API 2
<pre><Interface> <Address>Andersons Quay</Address> <City>Cork</City> <Id>9</Id> <Name>Jurys </Name> <Price>112.0</Price> <Rating>3</Rating> </Interface></pre>	<pre><BookingInterface> <Email>akash@example.com</Email> <FirstName>Akash</FirstName> <FromDate>2018-07-30</FromDate> <LastName>Hande</LastName> <ModeOfCommute>bus</ModeOfCommute> <PhoneNumber>9960554997</PhoneNumber> <ReasonForVisit>holiday</ReasonForVisit> <ToDate>2018-07-03</ToDate> </BookingInterface></pre>

Specifications

Language – Java
Architectural Style - REST
Cloud Hosting Platform – Microsoft Azure
Authorization – Basic Auth
Authentication Model – username & password
Terms of Service - URL
Supported Response Formats - XML