

# MODELLING OF FLIPKART

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY , BANGALORE

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## **Name of Supervisor**

Prof. K.V. Dinesha

## **Team Members**

1. Paras Mittal - MT2013097
2. Ankit Narang - MT2013014
3. Nikhil Agrawal - MT2013090

**Version No.:** 1.0

**Start Date:** 27th JAN 2014

**End Date(Expected) :** 20th JULY 2014

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## Objective of the Project

We need to implement the below use cases in our project (Modelling of FlipKart website) using REST Architecture:

- Login / Signup
- Feedback
- Cancel Order
- Notification
- Stock Management
- Deal of the day

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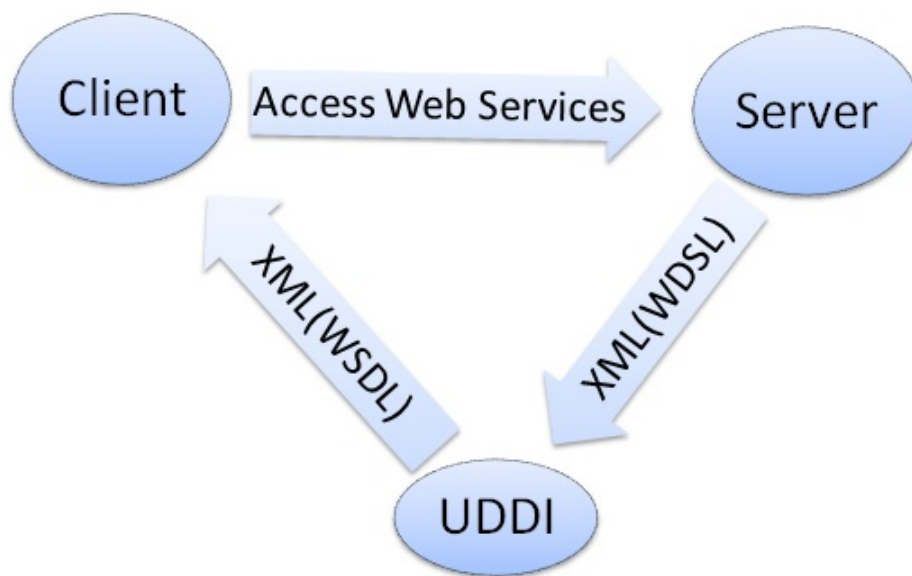
## Functionality

Flipkart is an online shopping website that we are implementing using REST web services. Customer will be able to access a resource directly using its URI(Uniform Resource Information)

REST uses concept of uniform interface and HTTP protocol is being used as a communication protocol in RESTful web services. It uses 4 main HTTP methods :

- GET - To retrieve a resource
- POST - To create a resource
- PUT - To update a resource
- DELETE - To delete a resource

So when we write web service for above use cases , we will implement all these 4 methods for each resource(Use case).



**UDDI: Universal Description Discovery and Integration**

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## MileStones

### 1. Problem Identification

It involves our first 2-3 meetings with professor discussing about what actually the problem is, what are the impacts of the problems in the system, what all are complications associated with the problems etc..

### 2. Analyzing the problem

It involves our own research about the problem by visiting the original Flipkart website, consulting it with Professor and Teaching Assistants and finally coming up with proper use cases that we can implement in our project.

### 3. Understanding RESTful services

This section deals with the understanding of the RESTful architecture and usefulness of it in our project. It also deals with the understanding about the compatibility of the architecture with the language and back end used in our project.

### 4. Language and Database Selection

Considering the complexity and nature of problem we have decided to use mysql database. As the mysql database provide more eloquent and flexible way of solving problem in this context, so it is much easier to represent the schema of the Flipkart database in it.

### 5. Implementing the RESTful services

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## Estimated Total Time Taken

1. Problem Identification
2. Understanding RESTful architecture
3. Database Schema Design
4. GUI Design
5. Coding
6. Integration
7. Testing

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# Requirements

## Hardware Requirements

1. 2.2 Ghz Processor
2. 2 GB RAM
3. Dual Core Processor

## Software Requirements

1. Windows 7/Linux (32/64 bit)
2. Eclipse - Juno Service Release 2
3. MySql Database v 5.2.38
4. Apache Tomcat 7.0.50
5. Latex text maker (for Documentation)