**Sample Input and Output for Test Environment:**

**Input:**

Shipping\_Info "90210", "48503", 10

**Output:**

{"Carrier"=>"FedEx", "Code"=>"FedEx Ground Home Delivery", "Price"=>15.77, "Transit Time"=>"FOUR\_DAYS"}

{"Carrier"=>"FedEx", "Code"=>"FedEx Express Saver", "Price"=>50.28, "Delivery On"=>Thu, 01 Nov 2012 00:00:00 +0000}

{"Carrier"=>"FedEx", "Code"=>"FedEx Priority Overnight", "Price"=>58.45, "Delivery On"=>Tue, 30 Oct 2012 00:00:00 +0000}

{"Carrier"=>"FedEx", "Code"=>"FedEx 2 Day", "Price"=>64.64, "Delivery On"=>Wed, 31 Oct 2012 00:00:00 +0000}

{"Carrier"=>"FedEx", "Code"=>"FedEx Standard Overnight", "Price"=>105.67, "Delivery On"=>Tue, 30 Oct 2012 00:00:00 +0000}

{"Carrier"=>"FedEx", "Code"=>"FedEx First Overnight", "Price"=>142.9, "Delivery On"=>Tue, 30 Oct 2012 00:00:00 +0000}

{"Carrier"=>"UPS", "Code"=>"UPS Ground", "Price"=>15.78, "Transit Time"=>"4"}

{"Carrier"=>"UPS", "Code"=>"UPS Three-Day Select", "Price"=>43.53, "Delivery On"=>Wed, 31 Oct 2012 00:00:00 +0000}

{"Carrier"=>"UPS", "Code"=>"UPS Second Day Air", "Price"=>62.2, "Delivery On"=>Tue, 30 Oct 2012 00:00:00 +0000}

{"Carrier"=>"UPS", "Code"=>"UPS Next Day Air Saver", "Price"=>102.6, "Delivery On"=>Mon, 29 Oct 2012 00:00:00 +0000}

{"Carrier"=>"UPS", "Code"=>"UPS Next Day Air", "Price"=>109.02, "Delivery On"=>Mon, 29 Oct 2012 00:00:00 +0000}

{"Carrier"=>"UPS", "Code"=>"UPS Next Day Air Early A.M.", "Price"=>144.2, "Delivery On"=>Mon, 29 Oct 2012 00:00:00 +0000}

**Steps to deploy the Shipping Rate:**

1. Install the dependent gems
   1. To Install the Active\_Shipping gem, execute following command

gem install active\_shipping

* 1. To Install the Active\_Shipping gem, execute following command

gem install fedex

* 1. To Install the Ups\_time\_in\_transit gem, execute following command

gem install ups\_time\_in\_transit

ups\_time\_in\_transit.rb has been modified so copy the given ups\_time\_in\_transit.rb file to install location e.g. *‘C:\RailsInstaller\Ruby1.9.3\lib\ruby\gems\1.9.1\gems\ups\_time\_in\_transit-0.1.1\lib’*

Note: Above path can be different based on the rails installation path.

1. Use ShippingRates.rb to get the rates for Fedex and UPS
2. Test and production credentials

Currently ShippingRates.rb using the Test environment credentials for Fedex and UPS as mentioned below:

*#Fedex Credentials*

Fedex\_key = 'Uo5ehu0ZVJIkwN4y'

Fedex\_password = 'KXOH9K5coupax3FF4bM1opp9M'

Fedex\_account\_number = '510087046'

Fedex\_meter = '118564789'

Fedex\_testmode = true *#for production set it as false*

*#UPS Credentials*

Ups\_access\_license\_number = '9CA349F0CB25A9DB'

Ups\_user\_id = 'piyushkp'

Ups\_password = 'Admin123#'

Ups\_testmode = true *#for production set it as false*

For Production change the credentials for UPS and Fedex and set

Ups\_testmode = false

Fedex\_testmode = false

**Functions information:**

1. To get the Fedex and UPS rate information use following function

def Shipping\_Info (fromZipCode, toZipCode, weight)

Input parameters:

fromZipCode = source zipcode

toZipCode = destination zipcode

weight = package weight in LBS

Which return the array of Fedex and UPS rates

output = []

puts output = [fedex\_rates, ups\_rates]

1. To get the Transit time for Fedex Ground Service use following function:

def getFedexTransitTime(fromZipCode, toZipCode, weight)

1. To get the Transit time for UPS Ground Service use following function:

def getUPSTransitTime(fromZipCode, toZipCode, weight)

1. To get the state for given postcode for USA use following function:

def state\_from\_zip(zip)

**Sample Code to call the Function:**

Use following code to call the Shipping\_Info function:

my\_object = ShippingRates::ShippingInfo.new

results = my\_object.Shipping\_Info "90210", "48503", 10

Where

ShippingRates = Module name

ShippingInfo = class name