### CP1404 / CP5632 Code Review Document

**Programmer:** Ashok kumar Ramajayam **Date:** 12th Oct 2015

## Review of **currency** module:

### Purpose:

There are two purposes in currency module.

1. Reading the country list text file and saving them separately as country name, code and symbol.
2. It accepts the amount to be converted, From country code and To country code. It communicates with the google currency converter with the given inputs and fetches the data from the converter

### Solution Choices and Reasoning:

The converter module is designed to accept the country name and reads through the file and selects the appropriate country code and symbol from the file. It uses that code and connects to the currency converter. Google converter returns the result as html string; this module parses the string and yields only the converted amount.

### Insights and Outcomes:

The country names and amount is given as input and it produces two output. One of which is a tuple containing country name, code and symbol and the other output is the converted amount

## Review of **trip.Country** class:

### Purpose:

It is used as a model for saving the countries in the country list text file.

### Solution Choices and Reasoning:

Country class has three attributes and they are country name, code and symbol while parsing the country list file each line in the file is associated with an object of a country class.

### Insights and Outcomes:

This class doesn’t have any input or an output as it is a modal class and used only in the background

## Review of **trip.Details** class:

### Purpose:

It is used for maintaining trip details.

### Solution Choices and Reasoning:

While adding trip detail, this checks for two things

1. It checks whether the start date is less than an end date if not it raises an exception.
2. It checks if a start date is already associated with previous trips if it yes it raises an exception

### Insights and Outcomes:

Country name, code and symbol are given as insights and it saves the trip details for internal use.