// GET: /ExpressServices/GetShippingCost?Weight=6&CountryCodeFrom=NZ&CountryCodeTo=US

public string GetShippingCost(double Weight, string CountryCodeFrom, string CountryCodeTo)

{

Decimal cost = -1;

//allow for reasonable variation in user behaviour

CountryCodeFrom = CountryCodeFrom.ToUpper();

CountryCodeTo = CountryCodeTo.ToUpper();

if (CountryCodeFrom == "USA") CountryCodeFrom = "US";

if (CountryCodeTo == "USA") CountryCodeTo = "US";

if (CountryCodeFrom == "AUS") CountryCodeFrom = "AU";

if (CountryCodeTo == "AUS") CountryCodeTo = "AU";

//end of variation handling

//Validation checking. NZ, AU and US are the only acceptable country codes.

//Check for negative weights.

if (!(CountryCodeFrom == "NZ" || CountryCodeFrom == "US" || CountryCodeFrom == "AU"))

{

return "ERROR: Country sent from needs to be NZ, US or AU";

}

if (!(CountryCodeTo == "NZ" || CountryCodeTo == "US" || CountryCodeTo == "AU"))

{

return "ERROR: Country sent To needs to be NZ, US or AU";

}

if (Weight < 0)

{

return "ERROR: Weight needs to be 0 or greater.";

}

//US to NZ or NZ to US

if ((CountryCodeFrom == "US" && CountryCodeTo == "NZ")   
 || (CountryCodeFrom == "NZ" && CountryCodeTo == "US"))

{

if (Weight < 5)

{

cost = Convert.ToDecimal(45);

}

else if (Weight <= 10)

{

cost = Convert.ToDecimal(50);

}

else

{

cost = Convert.ToDecimal(55);

}

}

//AU to NZ or NZ to AU

else if ((CountryCodeFrom == "AU" && CountryCodeTo == "NZ")

|| (CountryCodeFrom == "NZ" && CountryCodeTo == "AU"))

{

if (Weight < 5)

{

cost = Convert.ToDecimal(10);

}

else if (Weight <= 10)

{

cost = Convert.ToDecimal(15);

}

else

{

cost = Convert.ToDecimal(20);

}

}

//AU to US or US to AU

else if ((CountryCodeFrom == "AU" && CountryCodeTo == "US")

|| (CountryCodeFrom == "US" && CountryCodeTo == "AU"))

{

if (Weight < 5)

{

cost = Convert.ToDecimal(30);

}

else if (Weight <= 10)

{

cost = Convert.ToDecimal(35);

}

else

{

cost = Convert.ToDecimal(40);

}

}

//Flat rate of 7.50 to send within the same country.

else if (CountryCodeFrom == CountryCodeTo)

{

cost = Convert.ToDecimal(7.5);

}

return cost.ToString();

}