

## WEB STACK DEVELOPMENT

### LAB-5

#### **Summary**

I have created 3 files:

- travels.xml
- travels.xsd
- transform.xsl

The travels.XML file contains travel booking details such as place of travel, flight details, bus details, hotel booking ,etc. The root element <travel> includes multiple <loc> elements and <hotels> elements. <loc > contains <destination>, <flight> and <bus>. <hotels> include different <hotel> entries.

The transform.xsl file is used to transform the XML data in travels.xml into a user friendly format. The XML data has been displayed in a table format with proper headings. The page includes navigation bar. The page shows user travel booking details.

The travles.xsd file validates the xml data. The file uses a namespace “http://abc.com/trav”. It defines the structure and data types of XML file elements. Restriction base has been used to limit the value of rating between 0 to 5.

#### **Test Validation**

#### **Purpose of XSL**

XSL allows us to transform XML documents into Html structure. We can use it to extract data from an XML document and convert it into a desired format.

#### **Purpose of XSD**

XSD defines structure and datatypes of XML documents. It ensures that data adheres to specific formats such as element, attribute, order, occurrence, data types, etc. Thus it helps to validate the XML documents. XSD helps to maintain the integrity of the data.