Currency rates documentation

The main purpose of this application is displaying a list of changes for currency rates for the selected date.

Running and using the application

To run the currency rates application from visual studio, please press the "Play" button at the top of IDE's toolbar. No need to configure the start page in project properties, it has been done by default.

On the home page the user is able to select a date (from the date picker "Date"), then click a button and get a list of changes for currency rate of each currency.

Explanation of used technologies

The "Currency rates" application is based on ASP.NET the Model-View-Controller (MVC) design pattern.

The benefits of adopting this pattern are: many objects in these applications tend to be more reusable, and their interfaces tend to be better defined. Applications having an MVC design are also more easily extensible than other applications.

The architecture of this application is based on standard MVC architecture, services layer and helpers method.

Services layer (CurrencyRatesService) is responsible for theHttp requests (for getting xml responses from the

http://www.lb.lt/webservices/ExchangeRates/ExchangeRates.asmx/getExchangeRatesByDat
 API).

Helper method ParseXml is responsible for getting specific nodes from xml document and putting them into a list.

For a UI i choose the Jquery UI library (for a date picker) and Jquery data table for displaying currency rates changes. I choose the Jquery UI and data table libraries for a simplicity of use, sufficient functionality and most of all for rapid development.

Also I have implemented output caching for better performance.