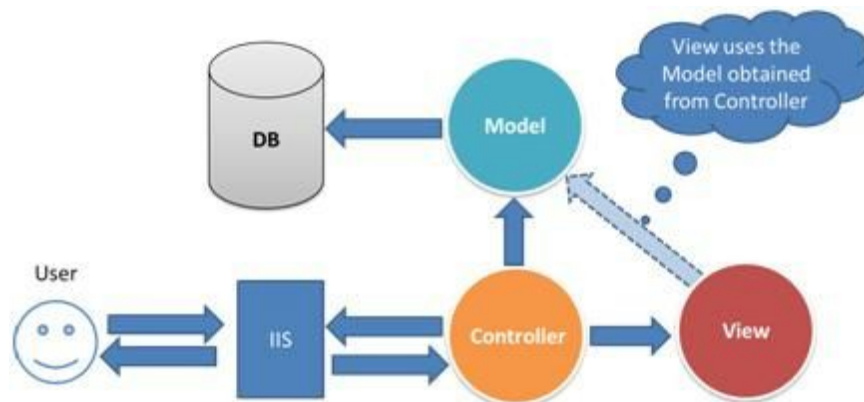


**Introduction:**

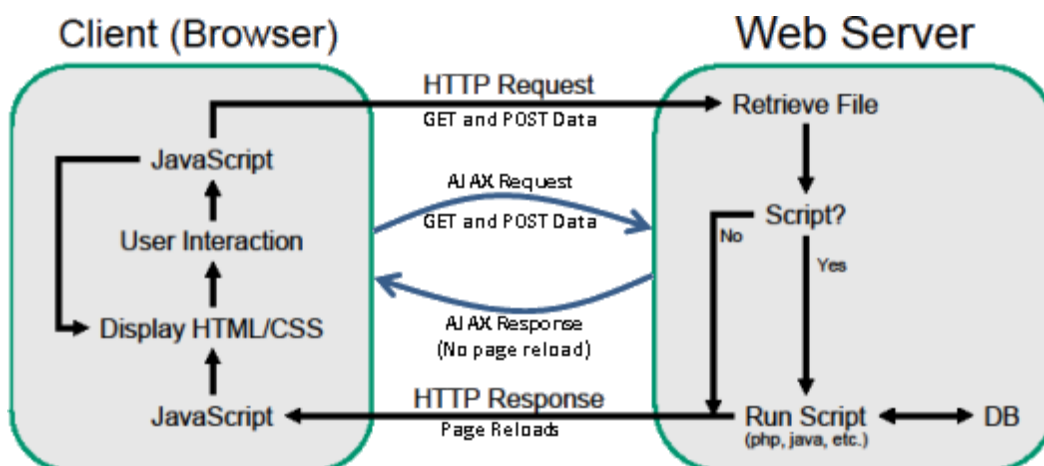
My assignment is a designed to store cities and get the temperature for those cities using get request. It uses services from <https://developer.yahoo.com/yql> services. It's hosted in azure platform and is located at weathercloud1.azurewebsites.net

**Design:**

the cloud website is designed using ASP.net(MVC), HTML/CSS and Javascript/JQuery. It uses SQL server database. It relies on Model View Controller architecture where is separation between Data, Views, and the controllers. The server comprises of three methods: Index, add(city), and remove(city). The interface is designed with AJAX technology meaning there will not be need for refresh when submitting action of add(city) or remove(city) to server. The client, after, listing cities from server database, will ask <https://developer.yahoo.com/yql> service, returning a JSON object, parsing it for the weather for each city listed, and display the temprature beside each city. It uses default ASP.net Template.

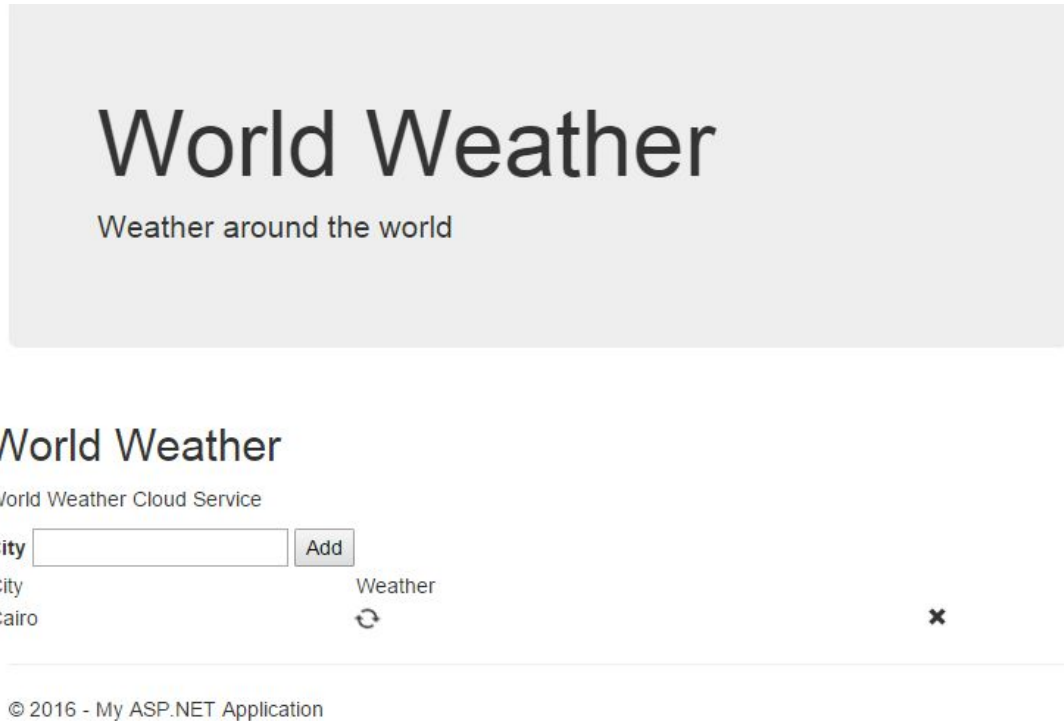


MVC Architecture [1]



Client Request - Server interaction using Javascript [2]

## Screen Shots:



The screenshot displays the 'World Weather' application. At the top, a large light gray box contains the title 'World Weather' in a large, bold, black font, with the subtitle 'Weather around the world' in a smaller font below it. Below this box, the title 'World Weather' is repeated in a smaller font. Underneath the title is the text 'World Weather Cloud Service'. The main interface features a form with a label 'City' followed by a text input field. To the right of the input field is a button labeled 'Add'. Below the input field, the text 'City' is displayed above the value 'Cairo'. To the right of this, the text 'Weather' is displayed above a circular refresh icon. Further to the right is a small 'x' icon. At the bottom of the interface, a copyright notice reads '© 2016 - My ASP.NET Application'.

World Weather

Weather around the world

World Weather

World Weather Cloud Service

City  Add

City  
Cairo

Weather  
⌂

⌂

© 2016 - My ASP.NET Application

## References:

- [1] M.Sukesh, "WebForms vs. MVC," - CodeProject. [Online]. Available at: <http://www.codeproject.com/articles/528117/webforms-vs-mvc>. [Accessed: 11-Feb-2016].
- [2] "About This Book," *JavaScript for Sheridan Students*. [Online]. Available at: <http://javascript.sheridanc.on.ca/>. [Accessed: 11-Feb-2016].