

# Week#2 - Assignment 4

MS Connect



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## Objectives

- Get comfortable with User Interface Design and Client Side Scripting.
- Start thinking more carefully.
- Solve problems using HTML5, Java Script and JQuery.

## Reasonable

1. Communicating with colleagues about problem problems in English (or some other spoken language).
2. Discussing the assignment material with others in order to understand it better.
3. Helping a colleagues identify a bug in his or her code, as by viewing, compiling, or running his or her code, even on your own computer.
4. Incorporating snippets of code that you find online or elsewhere into your own code, provided that those snippets are not themselves solutions to assigned problems and that you cite the snippets' origins.
5. Sending or showing code that you've written to someone, possibly a colleagues, so that he or she might help you identify and fix a bug.

## Deliverables

- Document your solutions in word file.
- Write proper comments for each line in your source code.
- Document the output of your program.
- Your program should address the problem, there should NOT be any deviations in output.

① Design an html page with file input elements and write scripts to demonstrate the use of drag & drop files functionality.

② Design an html page with multiple image elements (as thumb nails) with file input elements for each. When user selects an image file using input file element, you need to display the selected image file as thumbnail image. You should provide a way to remove the selected image (thumbnail).

Do the following validations, when user selects an image file:

- Restrict the image file size to 2MB.
- Restrict the file types to image files only ( jpg, png, gif)

Do not use ALERT to display validation messages, rather use DIVs to show /hide messages.

③ Design an html page with following fields:

First Name, Last Name, Address, Locality, City, Pin code, Phone Number, Email, Qualifications List (Qualification, College, College Address, Percentage, Grade, Year)

Add List of Qualifications in a grid (<Table>). Use a modal dialog to accept these details and when user clicks on "add" button on modal dialog it should append the record to <Table>.

Use Bing Maps API load City, Locality, Address etc.

All fields are mandatory and you need to validate to accept proper input.

You should use JQuery Validation Plugin to validate the fields in this page.

④ Design an HTML form (take any example) using HTML5, JQuery, CSS, ASP.NET MVC Web API and SQL Database. When user click on "Submit" button on HTML page, record should store in database. You should write your business logic in Web API.

⑤ Design a HTML Page with navigation bar (with menus – Home, About, Contact, Services). The HTML page must be responsive, when user resizes it should adjust and align automatically (menus should be in drop-down mode when it is shown resized to mobile width)

In content region of this page: Load the images from this Flickr JSON content and display the images in a grid (rows & columns)

[http://api.flickr.com/services/feeds/photos\\_public.gne?tags=flower&tagmode=any&format=json](http://api.flickr.com/services/feeds/photos_public.gne?tags=flower&tagmode=any&format=json)