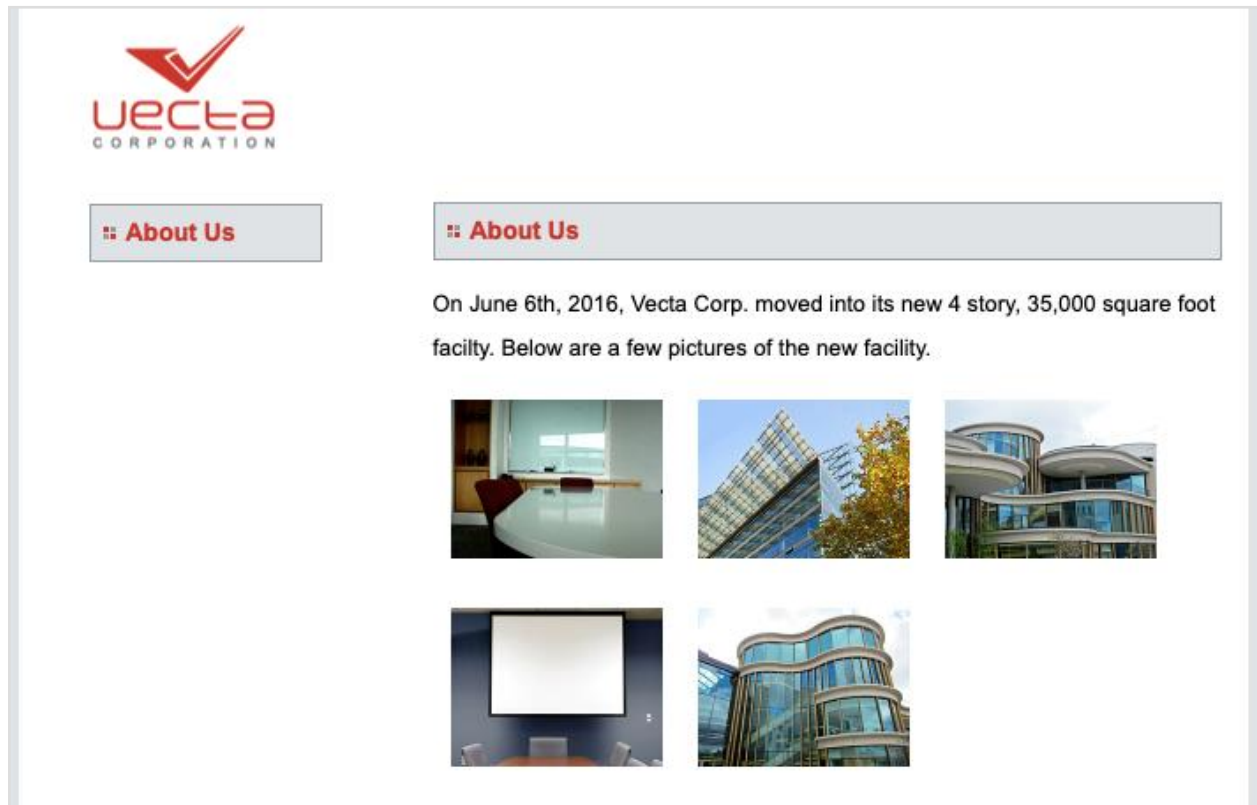

Web-Based Application Design and Development (ITIS 3135)**Activity 16: Display a gallery of Flickr photos**

The goal of this activity is to create an application that displays the photos from the Flickr website that are for a specific user and also with a specific tag. You'll also use the Lightbox plugin to display a larger version of a photo when it's clicked. When you're done, the page should look like this:

**Part 0: Download files**

1. Download **Activity16.zip** folder and unzip the folder
2. Verify that there are no errors in the HTML and CSS files.
3. Rename the files to ***Lastname-Activity16.html***, ***Lastname-Activity16.css*** and ***Lastname-Activity16.js***.
4. Review the HTML file to verify that it includes a link element for the Lightbox CSS file and a script element for the Lightbox JavaScript file. It also includes a div element with the id "new_building" where the photo gallery will be displayed.
5. For Lightbox features, see <https://lokeshdhakar.com/projects/lightbox2/>
6. Review the code and make sure you understand the code. Upload the files to the server and run the application.

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Part 1: Modify code

1. Visit <https://www.flickr.com/services/apps/create/apply> to obtain an API key and visit <https://www.flickr.com/services/api/> to understand the REST API calls to obtain pictures from Flickr.
2. In this activity we retrieve public photos from the user account with the id “82407828@N07” and the tag “vectacorpbuilding”. The response format should be set to JSON.
3. Add code in the js file to get the data from the feed. For each item that’s returned, add an img element for the photo to the photo gallery.
4. Enhance the code for the photo gallery so each photo is wrapped in an <a> element and displayed in the Lightbox plugin. Show caption properly for the zoomed photo.

Part 2: Upload files to your Exercise folder in your webpages account

Verify that your final webpage is accessible.

Part 3: Turn in your activity

1. Log in to Canvas.
2. Go to the Activity #16 Submission link on the Canvas page. Upload the upload the .html, .css and .js files to the submission page.
3. In the Comments textbox of Canvas provide:
 - a. the URL of your html file on the web server. You must provide the correct URL to get credit.