# Web based image attribute tagging solution

Project Description:   
Need web based image attribute tagging solution developed.  
  
Features:  
**Ability to apply attribute tags to images  
Ability for attribute tags to be stored as JSON  
Ability for JSON to be sent to a server API  
Ability to add/edit/delete attributes within attribute tag taxonomy and have those sent to a server API as well as update the UI of the tagging solution.**  
  
Please see attached image for conceptual wireframes of the solution.  
  
Attributes   
**Attribute types are defined in a standard JSON which is loaded into the Tag Screen  
attribute tags can be of different types**  
**• Boolean – Displays True or False as options. Allows only TRUE or FALSE as an input  
• Strings – Allows free form text as an input.  
• Single Option Picklist – Allows selection of a single option from a picklist. Users can also add options to the picklist so that they become part of the standard JSON attribute Tag option.  
• Multiple Option Picklist – Allows selection of a one or more options from a picklist. Users can also add options to the picklist so that they become part of the standard JSON attribute Tag option.  
• Date – Allows User to type in a date or pick from a pop-up calendar.**  
**A User may tag an image with one or more attributes.**  
**Each image is tagged by the system with DateTime and the unique identifier of the image. These attribute tags are not visible to the User.**  
**Each image is tagged by the system with the most prominent colors – an example of an approach is highlighted here - https://github.com/lokesh/color-thief. This information is visible to the User, but not editable**.  
**When a User is done attribute tagging an image the User can save by selecting “Save”. The solution will send a JSON of the attribute tags to a server based API (we will provide this to you)  
Upon saving, a new image is loaded for attribute tagging.  
A User may skip an image by selecting “Skip”. If skip is selected the User should specify the reason why by selecting a value from a single option picklist (populated from standard JSON feed).**  
  
**Technical requirements:  
Twitter bootstrap as UI Framework  
No Server side code  
Pixel perfection**