

Photo Bucket Homework

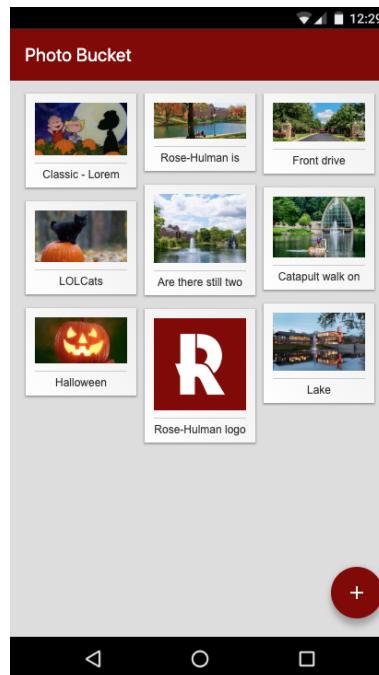
Goal

This homework is similar to the Movie Quotes follow along and is meant to let you reinforce your new Firebase skills. There are only a few changes from Movie Quotes, but you should be sure your final Photo Bucket code never has the words “movie” or “quote” in your files. The main change is that you will be working with images.

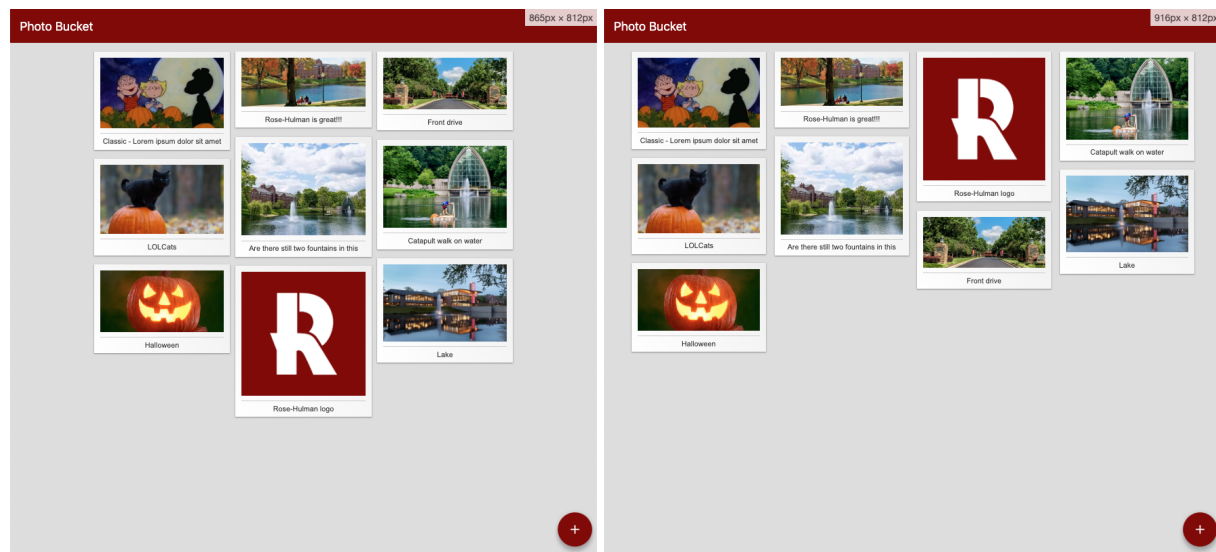
	Follow Along	Homework
Object Name	MovieQuote	Pic
String field	movie	imageUrl
String field	quote	caption
Timestamp field	lastTouched	lastTouched

You won't be using Firebase Storage for the images, you will be using URLs **to images that are already on the internet**. So really the objects you save in Firebase for this Photo Bucket homework are quite similar to the Movie Quotes follow along (two strings and a timestamp). Your Photo Bucket app will have two pages. The first one will look like this:

Mobile (note, there is help with the CSS coming later for the 3 column look):



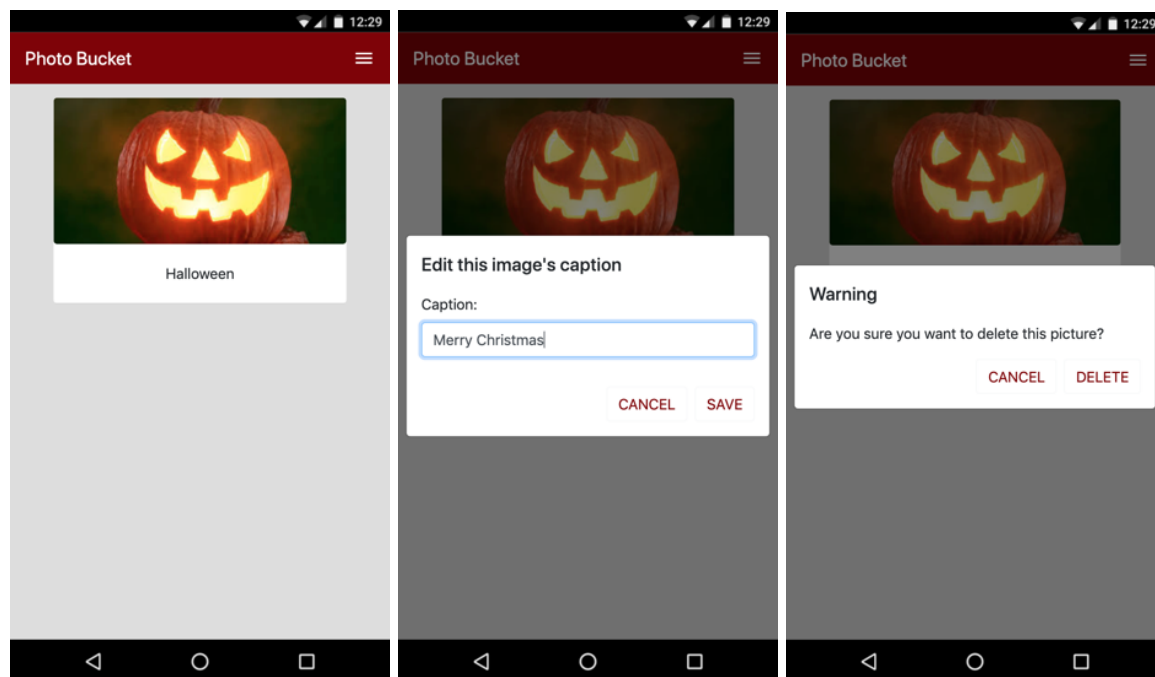
Desktop:



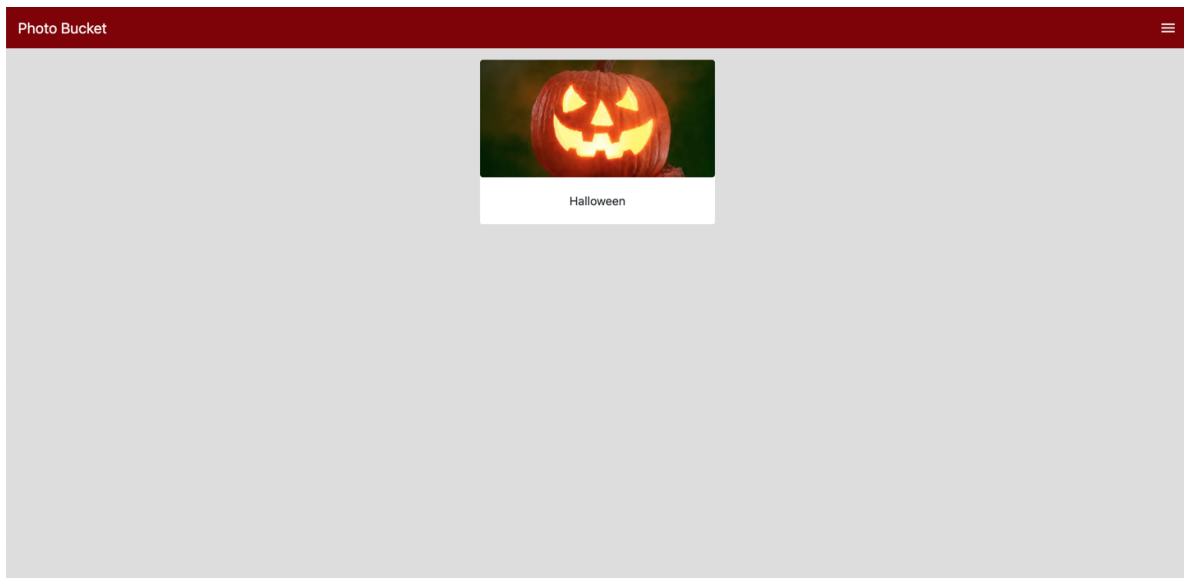
Notice the number of columns changes from 3 to 4 for larger screens (happens at 992 px).

Then the detail page will handle update and delete. It will look like this. Note: it uses a URL parameter to pass the id to the detail page (not shown).

Mobile:

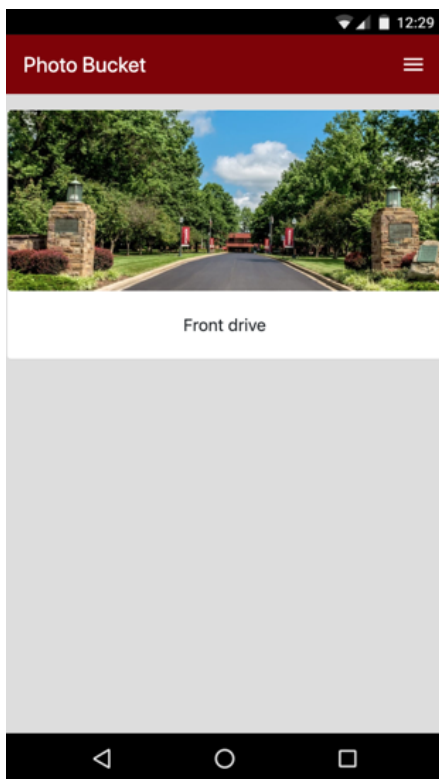


Desktop:

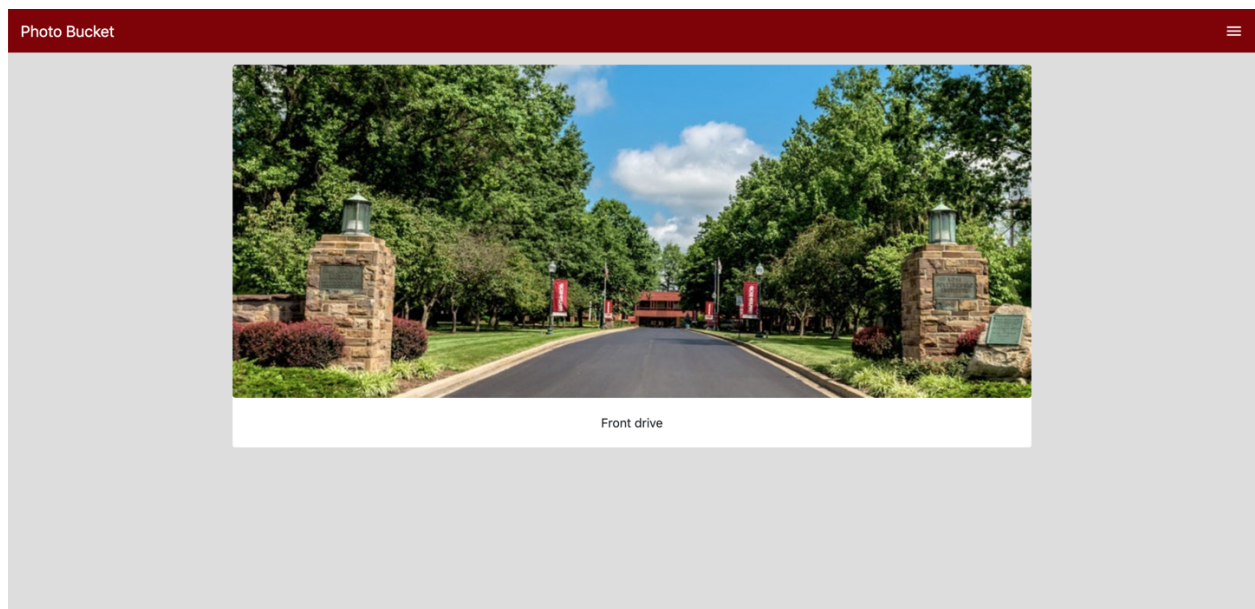


For the size of the image, if it is a small image, just show it at the resolution of the image (as shown above). That one is small. However if it is a big image, let the image grow up to the container's width, as shown below:

Mobile:

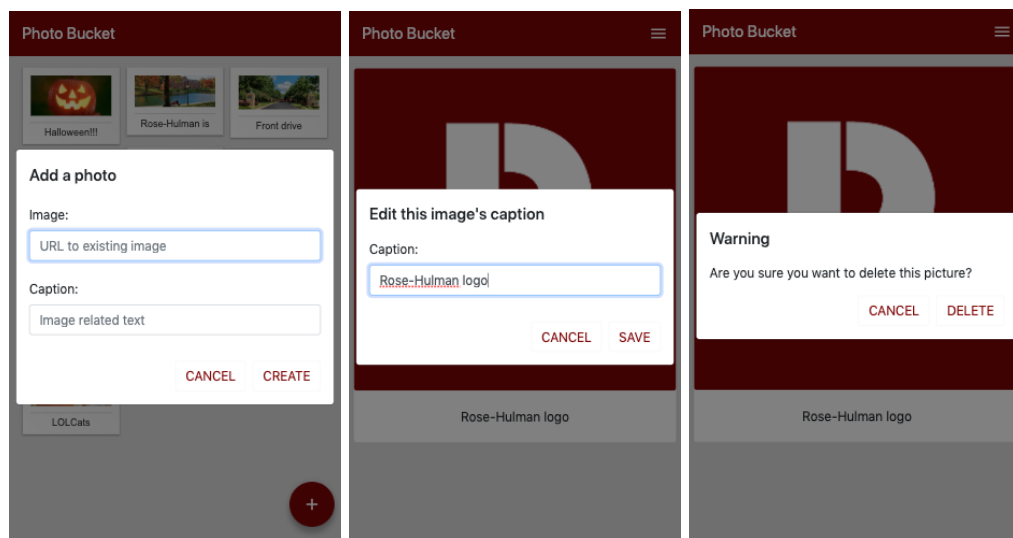


Desktop:

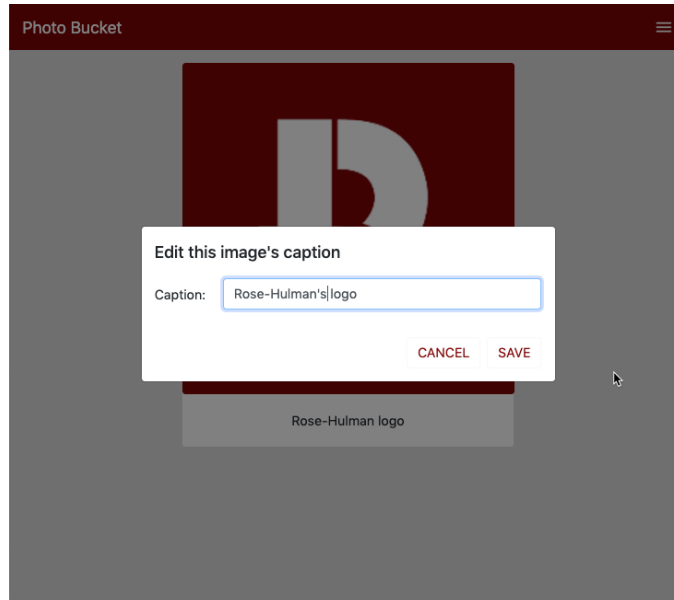


Note that the image aspect ratio is always preserved! Hint: Bootstrap classes (like [img-fluid](#)) make this pretty easy.

For the create, edit, and delete dialogs, they should all look a lot like MovieQuotes. Follow that pattern again.



The only one that is different is the Edit dialog which should **only allow you to edit the Caption.**



You shouldn't allow users to edit the photo URL. If a user wants to edit the photo URL, they'll have to delete the photo and make a new one.

To start this project I recommend you **make a new Firebase project**, so it doesn't override Movie Quotes. I recommend you call it *yourusername-photobucket*, so that your url is **yourusername-photobucket.web.app**. Start with the basic template (NOT a copy of MovieQuotes). Have open a copy of Movie Quotes as you work though. :) You should try to bring in the pieces one at a time, similar to how we developed Movie Quotes. Perhaps you could look at the [list of videos](#) and use the video titles to determine your development order. Don't just copy in everything to start with, bring in pieces as you need them and alter them for Photo Bucket. Make sure not to leave any trace of the words "movie" or "quote". In fact, do a find for "quote" and "movie" as you work to make sure those names aren't present in your code.

To help you with the list page I will provide you with a bit of CSS and an example bit of HTML to use that CSS.

- [Example HTML](#)
- [CSS for the list page](#)

The HTML is an example for you to see the HTML format. You need to use that format to make the CSS selectors match. The CSS is code you should definitely copy and put into your CSS. It takes a long time to develop CSS and this will save you a bunch of time for the list page for the column look. Note, you will have to work out the detail page CSS yourself. This CSS will only help you with the list page.

When you complete this homework you need to deploy it to firebase and submit the url and a .zip to Moodle.