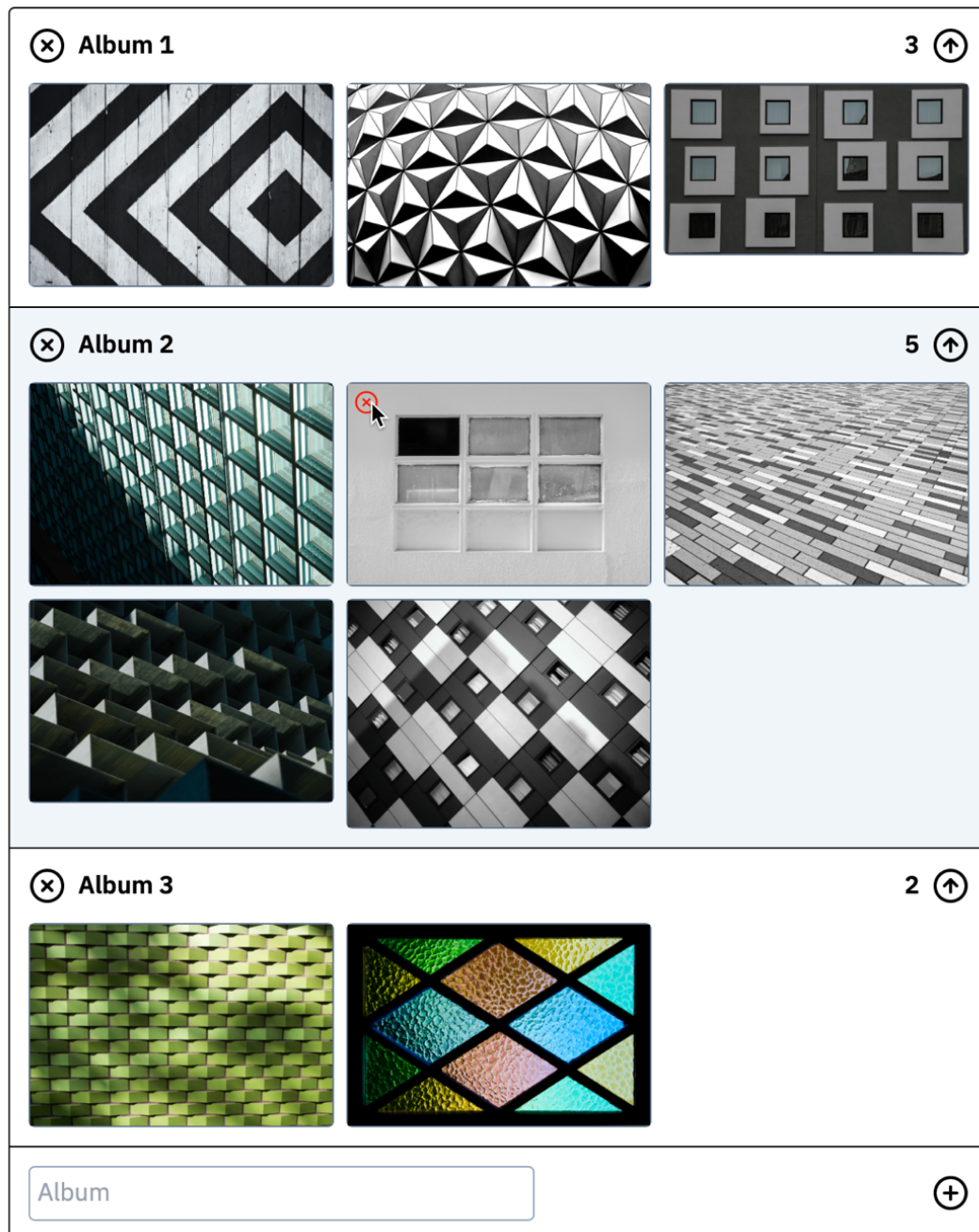


CMPS 350 · Web Development Fundamentals

Tutorial 06 · Photo Albums

Photo Albums



Develop an application that allows the user to create albums and upload photos for each album. The user can also view the list of albums and their associated photos.

1. Design, implement, and test a web API for reading, creating, updating, and deleting albums and their associated photos. Each album has a non-empty title. An example

album object is shown below. You may start by using public photo URLs from <https://www.pexels.com> or <https://unsplash.com>.

```
{
  id: "V1StGXR8_Z5jdHi6B-myT",
  title: "Summer Vacation",
  createdAt: "2023-02-25T00:00:00.000Z",
  photos: [
    "https://images.pexels.com/photos/712395/pexels-photo-712395.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=2",
    "https://images.pexels.com/photos/914929/pexels-photo-914929.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=2",
  ],
}
```

2. Design, implement, and test a web page for viewing, creating, updating, and deleting albums and their associated photos. Display the number of photos per album and use a RAM layout for displaying the photos.
3. Design, implement, and test a web API for uploading one or many photos, as well as deleting one or many photos.
4. Extend the albums page to allow uploading and deleting photos from an album.
5. An interactive demo of this tutorial is available at <https://cmps350-photo-albums.vercel.app>.