

Note Schema:

```
type Note {  
  id: ID!  
  title: String!  
  description: String!  
  tag: String  
  date: String  
  image: String  
}
```

We decided to combine our past labs together with what we have learned now. Thus, resulting in a deployed GraphQL application on DigitalOcean (Figure 1.1 and 1.2). The application has integration with MongoDB and Cloudinary. So, using mutations you can create notes with images that are stored to both MongoDB and Cloudinary.

The mutations we ended with were createNote, deleteNote, and UpdateNote.

The Queries we had were getAllNotes, getNoteById, getNoteBy (title,tag,date).

The screenshot shows the DigitalOcean Cloud Apps interface. At the top, there's a navigation bar with the DigitalOcean logo, 'Cloud Apps', a 'Create' button, and account information showing '\$99.98 Credit Remaining' and '\$0.00 USAGE'. Below this, the main header shows a back arrow, 'Apps', the app name 'web-sys-week-11' with a code icon, and a 'Deploy' button. A link to 'web-sys-week-11-k4qgz.ondigitalocean.app' is also present. A tabbed interface below the header includes 'Overview' (selected), 'Insights', 'Deployments', 'Logs', 'Console', 'Components', and 'Settings'. The 'Overview' tab displays a green checkmark icon and a table with columns 'Healthy', 'RAM', and 'CPU'. The table shows the app is healthy with 17% RAM and 0% CPU usage. A 'Latest Deployment' section on the right shows a commit '06d5558 pushed to github.com/pa...' from 'about 3 hours ago'. A 'Deployments' link is also visible.

Healthy	RAM	CPU
web-sys-wee...	17%	0%

[Health](#)

[Insights >](#)

Latest Deployment

Commit 06d5558 pushed to github.com/pa...

about 3 hours ago

[Deployments >](#)

Figure 1.1: Deployment to DigitalOcean

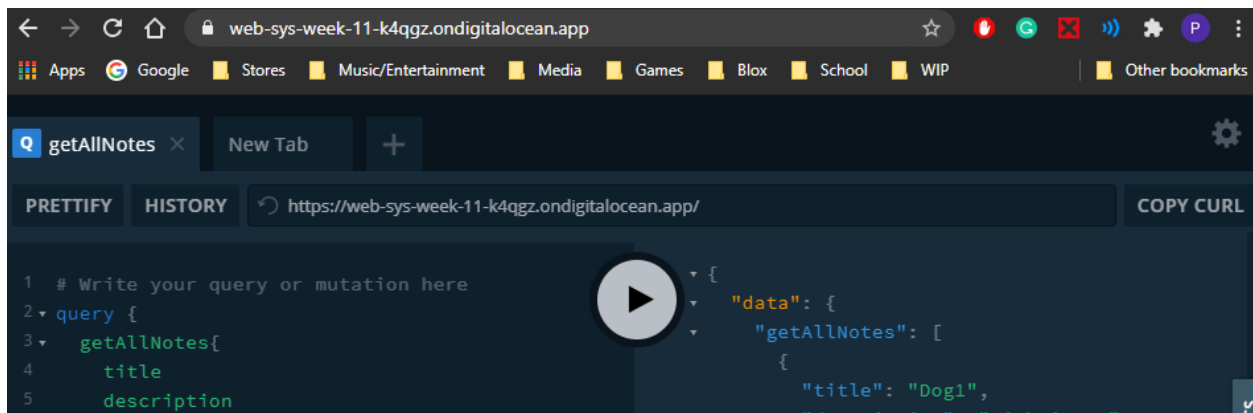


Figure 1.2: Deployed nodejs application to DigitalOcean

To divide up the work; one of us researched a few deployment options which would be easiest and best for our needs and the other worked on the code. We went through several products for deployment before getting it to work with DigitalOcean. With DigitalOcean we first tried using droplets but resulted in using their 'DO apps'. To finalize the app in code we added tags and date as well as mixed in Cloudinary integration.