

<https://s3-us-west-2.amazonaws.com/mobilecloudassignment1/index.html>

1. You must say what cloud provider you used.

Amazon Web Service's S3 Scalable Storage in the Cloud

2. Discuss how the provider offers a cloud service rather than a product (different providers have different offerings, is yours Infrastructure? It is a Platform?)

S3 is a Platform as a Service which allows me to create a free "S3 bucket" in which I can easily paste my files and am then given a URL from which to access my website. It is a web interface for data and object storage.

3. Upcoming assignments will require dynamic page generation based on user input (so you will need to be able to have the user input data then do something with that data) and they will require the use of a non-relational database. To this end, discuss what kind of options are available to implement advanced dynamic web pages with the cloud provider you used and how you will get access to a non-relational database. (These sorts of things will vary significantly if you are using a Platform as a service or Infrastructure as a service)

The S3 API allows you to configure your bucket for Cross Origin Resource Sharing (CORS). This allows for things like being able to use JavaScript to make authenticated GET and PUT requests against the same bucket. So this will allow for me to make cross-domain requests.

4. In a clearly labeled section of the document come up with at least two ideas for a web application that would be dynamic and store reasonably complex data. This would be similar to the sort of thing you did for a final project in your Databases or Web Development class.

Idea 1:

A game that would work similar to a casino but with fake money. There would be virtual slot machines that only one user can pull the lever on at a time, and they have to spend some of their fake money every time they pull it, but there is a guaranteed payout after a certain number of pulls. It would also have to show who is currently playing what so people could scout for a chance to pull the lever.

Idea 2:

A website where people can hum songs that they can't think of the words of, but just the tune, and upload them to the site. Every hum would be stored to a particular users accounts and people would also get points for being able to tell someone what the song they were thinking of was. I would use the SoundCloud API, which I used last quarter (in Web Development) with an S3 bucket.