Capstone Project Weekly Progress Report

Project Title	**Zene Cloud**
Group Name	**Group-I**
Student names/Student IDs	**Antarpreet Kaur (C0737410)** **Charanjeet Singh (C0740039)** **Hemal Chudasama (C0734999)** **Kanwaldeep Singh (C0735948)** **Surbhi (C0736237)**
Reporting Week	**1 July 2019 – 7 July 2019 (Week 8)**
Faculty Supervisor	**William Pourmajidi**

1. Tasks Outlined in Previous Weekly Progress Report

- We have configured Route 53 with our Domain
- We have assigned new roles and permissions to IAM user.
- We have created a small tool using AWS Alexa Skill
- We have used Lambda functions and triggers

2. Progress Made in Reporting Week

- Configuration of Route 53 with our domain
  - Open Route 53 in console
    - Then choose hosted Zones.
    - We then choose the name of the hosted zone that matches the name of the domain in which we wanted to route traffic.
    - We created a record set
    - Specified the following values:
      - Name
      - Type
      - Alias

- TTL (Seconds)
- Value
- Routing Policy

- We have created an Alexa Skill using Amazon Poly Service
  - We then basically encode our MP3 files straight to S3 bucket
  - Then we use AWS Alexa Skill, we build Lambda function using Serverless application repository
  - We then point that Lambda function to S3 bucket
  - First thing we did is, we have created S3 bucket
    - ➢ We gave a name zenecloudAlexa
    - ➢ Select the bucket and make it public
    - ➢ We then gave it a public policy, that everything inside it should be public.
      - We changed the bucket policy in Permissions

        {

        "Sid": "PublicReadGetObject",

        "Effect": "Allow",

        "Principal": "*",

        "Action": "s3: GetObject",

        "Resource":

        "arn:aws:s3:::zenecloudAlexa/exampleobject.mp3*"

        }
    - ➢ We went to Amazon Polly found in Machine Learning section.
      - Paste your notes to the plain text
      - Then click synthesize to S3
      - Write S3 bucket name zenecloudAlexa
      - Click synthesize, then a task was be created.
      - After then we were able to see MP 3 file
    - ➢ Now we created an Alexa Skill that played our MP3 file
      - We created a Lambda function
      - Choose Serverless Application Repository
      - Select alexa-skill-kit-node.js-factskill
      - Click Deploy
    - ➢ We created an **AWS Developer Account**

3. Difficulties Encountered in Reporting Week

- There was a difficulty we faced while creating lambda triggers, we chose the wrong region were the triggers were not enabled. Firstly, we didn't understand why it is not working we then read the documentation for AWS Lambda, after that we solved it and changed the region. **https://github.com/awsdocs/aws-lambda-developer-guide/tree/master/doc_source**

- We faced a difficulty in creating a developer account as we created a new account with other email id and we saw that it made us difficult to access the resources of the first account, then we converted our Basic account in to developer account.

4. Tasks to Be Completed in the Next Week

- We will continue with AWS Alexa Skill through our Developer Account
- We will then aggregate all that we have created and try to run our website and then we will see what other services and parts we are missing.