Week 2 Continuous Evaluation (Architectural Styles)

As a final output of the project, the you are expected to upload your designed applications on public cloud (AWS/Azure) and hence need to analyze and explain which application platform will you be following, and why?

I will be using AWS cloud for deployment of my application because of following reason -:
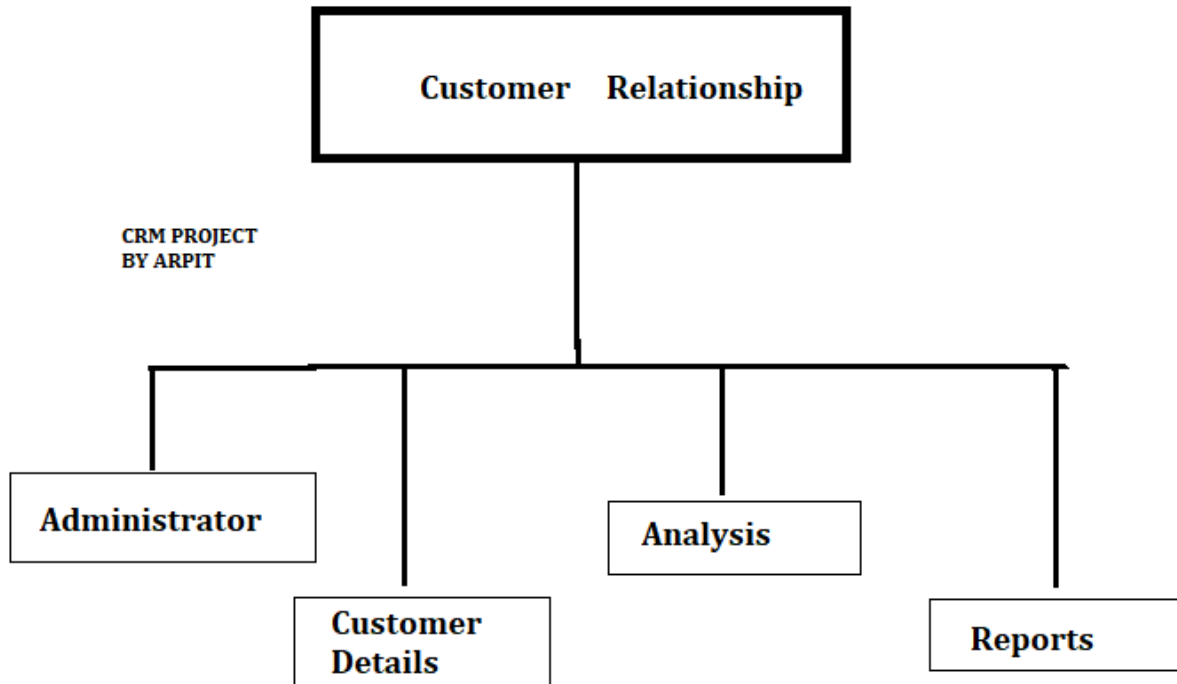
1. As there are many functionalities so there will be more cloud services I will be using like for compute I will use EC2 or Lambda depending upon the condition and for storage for my customers I will be using Amazon aurora so AWS provide **cost effective** options as we compare it to azure cloud . Aws offers great variety of pricing and discounts so it can be affordable for me .

2. We can able to customize the services of aws as per the requirements so it provide more level of **customization** as we compare it to azure cloud .

3. I can able to integrate other programming languages as well as tools like for backend I will be using java and for front end I will be using html and css so AWS will provide high level of **integration** for different programming language . (source)

4. This application requires to **scaled** up as per the need so Aws have high scaling feature as compared to azure cloud .So for this auto scaling and load balancers can be integrated .

5. Aws services provides advanced level of **analytics** compared to Azure cloud . Aws services such as Amazon Redshift is going to help to process large amount of data .

6. According to me aws have **user friendly** interface which consist of one click ec2 intstance creation and many other .so it will be easier to deploy and monitor the application .

STRUCTURAL FRONT VIEW OF THE PROJECT

So this project will have 4 functionality when that are as follows   -:

1. Administrator -: helping to manage and modify the data . Complete authentication will be provided to the administrator .
2. Customer details -: This feature will provide the details of the customers who are using this application where customers will be provided with the feature to view and modify the details of their clients .
3. Analysis -: this function helps the customers to provide brief analysis on customer data and sales data.
4. Reports-: helps the customer for brief of offer letter function ,customer report, product report and inventory report .

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                    │                              │
                    │   Customer    Relationship    │
                    │                              │
                    └──────────────┬───────────────┘
                                   │
CRM PROJECT                        │
BY ARPIT                           │
         ┌─────────────┬───────────┴──────────┬──────────────────┐
         │             │                      │                  │
  ┌──────┴───────┐     │              ┌────────┴──────┐           │
  │ Administrator │     │              │   Analysis    │           │
  └──────────────┘     │              └───────────────┘           │
              ┌────────┴────────┐                         ┌───────┴──────┐
              │    Customer     │                         │   Reports    │
              │    Details      │                         └──────────────┘
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STRUCTURAL BACK VIEW FOR PROJECT

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                       (     A     )
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                             │
                    ┌─────────────────┐
                    │  ADMINISTRATOR  │
                    └─────────────────┘
                             │         CRM PROJECT
                             │
           ┌─────────────────┼─────────────────┐
           │                 │                 │
    ┌────────────┐    ┌────────────┐    ┌────────────┐
    │  CREATE    │    │  UPDATE    │    │ VIEW AND   │
    │  ACCOUNT   │    │  ACCOUNT   │    │ DELETE ACC.│
    └────────────┘    └────────────┘    └────────────┘
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                          ┌──────────┐
                          │    B     │
                          └────┬─────┘
                               │
                    ┌──────────────────────┐
                    │  CUSTOMER SERVICES    │
                    └──────────┬───────────┘
                               │
   ┌───────────┬───────────────┼───────────────┬───────────────┐
   │           │               │               │
┌──────────┐ ┌──────────┐ ┌──────────────┐ ┌──────────────┐
│ CUSTOMER │ │COMPLAINT │ │ OFFER LETTER │ │ PRODUCT DATA │
│   DATA   │ │MANAGEMENT│ │   MAKING     │ │ MANAGEMENT   │
│ MAINTAIN │ │          │ │              │ │              │
└────┬─────┘ └────┬─────┘ └──────┬───────┘ └──────┬───────┘
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CRM PROJECT @ARPIT

CUSTOMER DATA MAINTAIN	COMPLAINT MANAGEMENT	OFFER LETTER MAKING	PRODUCT DATA MANAGEMENT
NEW, UPDATE, VIEW	NEW COMPLAINT, PROCESS COMPLAINT, VIEW	NEW OFFER LETTER, PRINT OFFER LETTER	NEW, UPDATE, VIEW