------------------------------------------------------------------------------------------------------------------------------------------explaination:

To implement this application in cloud I am choosing cloud Platform As A service (PAAS) model there are many advantages offers by PAAS and those are best suited for this application. Few of them are where we no need to worry about underyling infrastructure. One realtime scenario is if our application is facing huge traffic from users if we choose PAAS we no need to worry about auto scaling and all those things and one more advantage is we can only pay for the time we run our application.

To achieve this I used the following aws services cloud front, s3, api gateway,lambad functons,rds, cloud watch, sns.

Step by step working of architecture:

1. When user generates the request the static content is getting displayed from the s3.
2. The cloudfront uses the concept of edge locations and forwards the request to nearest location.
3. Api gateway acts like bridge between the users and lambda functons
4. Lamda functons are event driven based on the user request it will trigger appropriate functions and fetch the data from database and gives response back to the users.
5. Cloud watch is used for monitoring our architecture if anything wents wrong it will creates the alarams.
6. SNS serveice sends the notifications to the mail if anything wents wrong with our architecture.

