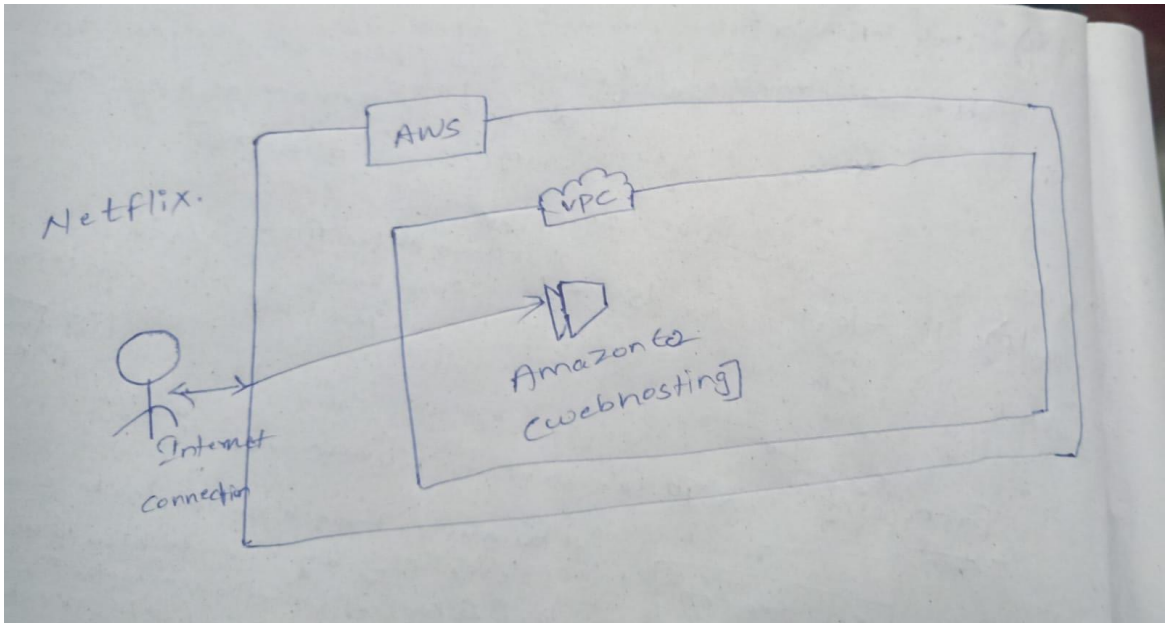
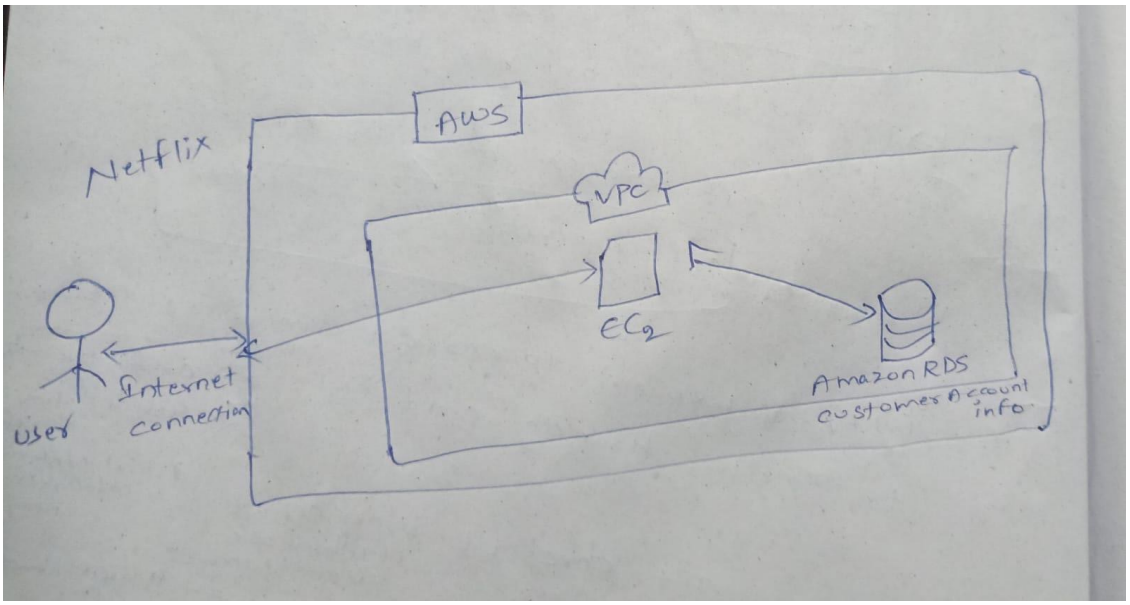
High Level Design For Netflix



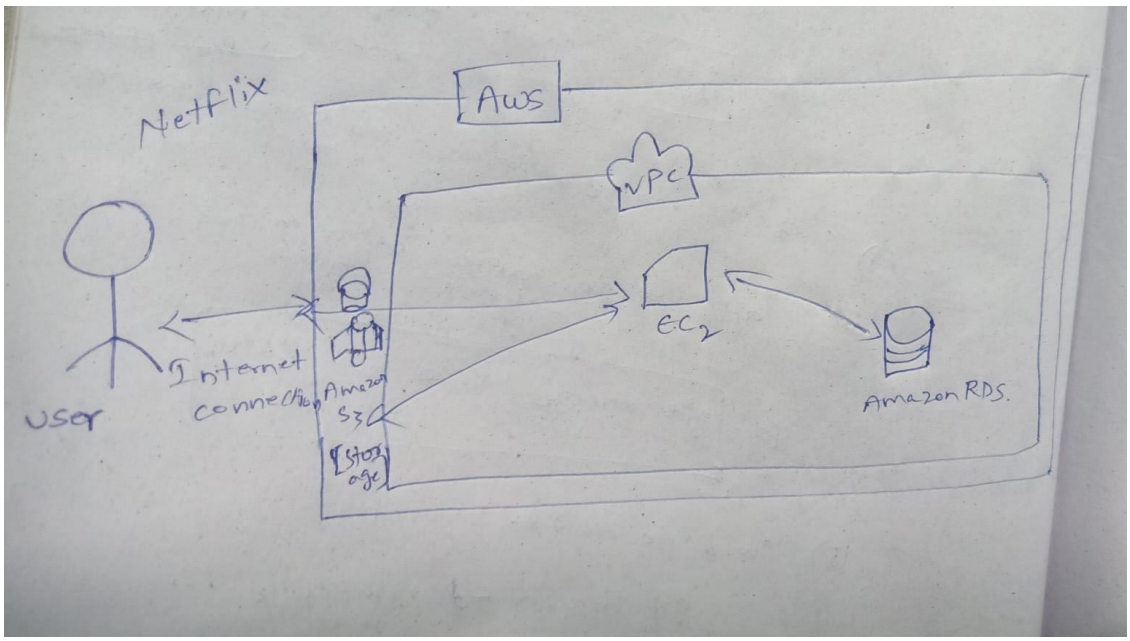
For example, consider NETFLIX a video content provider uses AWS's EC2 instances to host their website.

When we hit Netflix website, it is actually redirected to the EC2 instance where the website is hosted and return the home page.



When user login to your Netflix account this AWS RDS comes into picture. It stores the customer account info like user's name, email, password, credit card account, etc.

And whenever user login, it matches with the saved credential and after matching return to EC2 instance authorizing the user. It also has the full list of shows, episodes, etc.



There must be some space where Netflix stores its data in a huge in space which reliable, secure and highly available.

Here comes S3 in picture in this architecture. S3 is a massive storage bucket having almost unlimited storage where users can keep any type (audio/video/text/etc.) of files/data.

When a user clicks on any episode, the code fetches the data for that particular episode and transcode it to the server where users are able to see the content on their device.