Module-7 Assignment

Problem Statement:

You work for Xyz Corporation. Your corporation wants to launch a new web based application. The development team has prepared the code but it is not tested yet. The development team need the System Admins to build a web server to test the code but the System Admins are not available

You have been asked to create a 3-tier architecture and perform following tasks in each tier:

1. Web tier: Launch an instance in public subnet and that instance should allow HTTP and SSH from internet.

2. Application tier: Launch an instance in private subnet of the web tier and it should allow only SSH from public subnet of Web Tier

3. DB tier: Launch an RDS MYSQL instance in private subnet and it should allow connection on port 3306 only from private subnet of Application Tier

4. Setup a Route 53 hosted zone and direct traffic to the EC2 instance.

You have been also asked to propose a solution so that:

1. Development team can test their code without having to involve the System Admins and can invest their time in testing the code rather than provisioning, configuring and updating the resources needed to test the code.

2. Make sure when the development team delete the stack, RDS DB instance should not be deleted.