**Explain project architecture, which are developed in current organization?**

*My current architecture is a simple 3 tire architecture with UI in Angular or ASP.NET or MVC, and middle layer are simple .NET classes and DAL is using enterprise application blocks.*

*The UI is responsible to take user inputs, all my business validations are centrally located in middle layer and the Data Access Layer is responsible to execute stored procedure and SQL Queries to SQL Server.*

*Strongly typed business are used to pass data from one layer to other layer. The database of the project is 3rd normal form.*

**Standard Application Architecture in MVC.**

**Remember some points, during MVC application development.**

1. User 3 layer architecture.
2. User exception logging, create a log file on each exception.
3. Use authentication with identity.
4. Use unit testing.

**1. Application Layer (Presentation Layer)**

In this layer I have created only HTML pages and consumed WEB API by Angular. In this consuming WEB API and using Angular, get and post data in JSON format.

**2. MVC or WEB API Layer**

In this layer we can create API controller to use provider layer which is returning model value. Also in this layer we are implementing logging part using log4net exception logger. Authentication and Authorization is used to provide application security level. On each request of each controller always check if token is valid or not.

**3. Provider Layer (Business Logic Layer)**

This layer mainly used to create an interface between API and DAL (repository). Due to security reason we are not interacting with DiAL directly. In this layer we can create an Interface and BAL (classes) which can be used to call DAL. This layer you can create classes and interfaces and call interfaces on API controller.

**4, Repository Layer (Data Access Layer)**

In this layer you will create .Edmx file, you can access the database directly by using Entity Framework.

**5, Utility**

In this class library we can create some common function, enum, constant variable, readony.

**6, Model**

This class library is mainly used to create classes which can contain C# properties.

**7, Application Unit Test**

This is very important part of any application, if you want to develop well-structured applications.

**Advantages of good architecture based applications**

1. Loosely coupled binding of classes.
2. No dependency each other, not class dependent on any other.
3. Provide token based security in WEB API.
4. Reusability of code – you can use BAL or DAL in other projects as well.
5. Easy to understand code for anyone.
6. Maintenance of application is very easy.
7. **About yourself.**
8. **How do you begin a newly assigned project?**

First try to understand what is the objective or purpose of the project.

1. **Where do you see yourself in five years’ time?**
2. **Can you describe some of the projects that you handled in your previous job?**

Describe actual use in current project. The project goes successfully on production without any fail.

1. **Describe all the steps involved from the time of project initiation to project completion.**
2. **What qualities are required to be an effective project manager?**
3. **How do you ensure your team stays on track to meet project deadlines?**

Regularly task update on the progress and team members to discuss their problems. Also appreciate and give feedback on project to keep them motivated.

1. **If the customer not happy with result and does not accept the product. What would you as a project manager do?**

Try to clearly understand what modification they want and try to incorporate them. In case changes cannot be made you will try to convince and explain to the customer that the projects fit in with the agreed scope.

1. **What was the biggest challenge that you faced while working on a project?**

Don’t forget to mention how you handled the situation and what you learned from it.

1. **What kind of projects interest you the most? Why?**

Answer for this should be about the kind of projects that the company can offer.

1. **What kind of people do you find difficult to work with?**

They want to check your people management skill. You can talk about how you are strictly professional and do let your emotions get the better of you while working with people.

1. **How do you keep your team members motivated?**
2. **Why do you want to work with this company?**

Attracted their work culture or vision.

1. **Do you have any Questions?**

Your question can indicate that you want to know a little more about the job you applied for. It also shows your interest in the company.

***Explain about the Project*.**

*My project is mainly aimed to create the web application to automate the process between my Company, Customers and Suppliers.*

*My Roles in the project are requirement gathering from Client or Customer with Business Consultant, assigning tasks to the developers, Design and developing application, unit testing and fixing the bugs.*

*CARMA (Compliance and Regulatory Management Auditor) application is built for data aggregation, data validation compliance and customer account administration. It allows easy access to key customer information through a single access point. CARMA’s reporting and work flow engines analyze account data to identify and predicts points of success or failure and advice client and OCA’s of its findings using Alerts, work-lists and reports. The CARMA Compliance engine examines and compare the OCA data to the compliance rules. CARAMA provide Account life cycle which include Phone history, Note history and Activities of Customer Account.*

*CARMA Services pick the input file from the FTP Server and data upload in CARMA database server with file validation, data validation, and compliance business rules and data segregation.*

***About Self***

*My self this is Sampat Panaskar. I have been working with Credence Resource Management System as a Senior Software Developer or Engineer.*

*I have around 10 years of experience in Software Development, in this 10 years I had been worked with telecom, banking and health care domains.*

*As a Senior Software Developer or Engineer, I have worked on the .net Framework, C#, Classic ASP.net, ASP.NET, ASP.NET MVC, WEB API, Angular or scripting languages, SQL Server for Handling Database and MS Azure Server and Services.*

*Currently I have been working in telecom domain, here are my current project is “CARMA”. As a senior, I am working as a lead for this project, in this project my role responsibilities are requirement gathering from client or Customer with Business Consultant, assigning task to the developers, design and developing application, unit testing and fixing the bugs. Involving in daily or weekly status calls. Responsible for daily or weekly status report of project. So for I have used different tools called MS Visual Studio, MS SQL Management Studio, MS Visual Studio Code, JIRA, Team Foundation Server for application development.*