SAP IS A MARKET SHARE leader in enterprise resource planning (ERP)

analytics, supply chain management, human capital management, master data management, data integration, and experience management.

SAP → used to control all types of critical business functions

It provides multiple business functions

It helps companies to simplify operations

Ex: ERP-CRM

Modules SAP -> are separated into functional modules and technical modules
Functional SAP -> provide features like HR…..etc

High-Performance Analytic Appliance (SAP HANA)

SAP HANA uses in-memory computing to store compressed data into RAM instead of relational databases on disk drives

SAP System Work ?

Also called an ERP suite – is made up integrated modules or business app that talk to each other and share common DB

It is focus on business area but they work together using same data

SAP Work ?

Is an on-premise/cloud-based ERP system deployed in a three-tier

Client server architecture

Presentations -> helps provide an SAP GUI and this communications between User and SAP ERP

1)API Integration
Methods are the allowable actions (such as GET, POST, PUT, DELETE for HTTP APIs)

With synchronous APIs, when a request is made, the program blocks and waits for the operation to complete before moving on to the next task

Synchronous APIs are often used when simplicity and readability of code are crucial.

With asynchronous APIs, when a request is made, the program continues to execute other tasks without waiting for the operation to finish.

 Asynchronous APIs are often used when responsiveness and performance are critical.

Integration

The power of APIs to integrate disparate systems cannot be overstated. They allow for the seamless connection of various software components, irrespective of their underlying technologies. This integration capability is crucial for businesses that use a multitude of software solutions. APIs enable these solutions to work in concert, providing a unified user experience and ensuring that data flows smoothly across different parts of the organization.

```
[Route("ConnectSAP")]

[Route("ori=")]


[Route("Prfike")]

[HTTGGet]

Public IHttpActionResult ConnectSAP()

{

Try{

ServerConnection connection = new ServerConnection();

If(connection.Connect == 0)

{

Var companyName = connection.GetCompay(),CompanyName;

\tgConnection.GetCompany.Disconnect();

Return Success(companyName);
```

```
}
Else
{
Throw exception
}
Catch (Exception ex){
Throw ex}
```