

Assignment No. 7

Microservices

* Problem slatement:

Implement a microserrice that keeps track of the number of wins, losses and ties in an online game of your choice.

* Objectives :

To learn and implement missoserices frameworks

* Theory ?

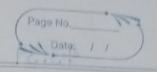
Microsenices also known as microsenice architetature is an aschitectural style that structures an application as a collection of services that are

is teighty maintainable and testapel.

ii> Loosely coupled.

iii> Independently deplayable.

ind Organises around business appalabilities.



Web framework

They encapsulate what developers have learnt over the past twenty years. While programming sites and applications for the web. They make it easier to reuse the code for common HTTP operations of to structure projects so other developers with the knowledge of the frameworks can quickly build of maintain the application.

Flask

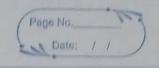
Flask is a python web framework built with a small core of and easy to use 4 easy to extend philosophy. Flask is based on the workzeug WSGI toolkit & Jinjaz templet toolkit.

WSGI (Web Server Crateway Interface)

It has been adopted as a standard for Python web application development. It is a specification for a universal interface between the web server and applications.

Werkzeug

It is a piscri tooket which impliments sequests, response objects and other utility functions.



Virtual Environment

The main purpose of Python Virtual Environments is to create an isolated environment for Python projects.

* Conclusion ?

With microservices, modules within software can be independently deployable. Hence a nicroservices based frameworks based distributed application was created.