National University of Computer and Emerging Sciences, Lahore Campus

	Course:	Blockchain and Cryptocurrency	**Course Code:**	CS4049
	Program:	BS(Data Science)	**Semester:**	Fall-2023
	Exam:	Assignment-2	**Total Marks:**	25
	Due Date:	24-October-2023	**Instructor:**	Syeda Tayyaba Bukhari
	Section:	All sections		

- **Submission Path:** Google classroom

First DAPP

Implementation of Petshop Dapp: https://www.trufflesuite.com/tutorial

Task 1:

-> Software Installation

 * Install Virtual Box

 * Install Ubuntu Linux

Task 2:

-> Setting up the development environment

-> Creating a Truffle project using a Truffle Box

Task 3:

-> Writing the smart contract

-> Compiling and migrating the smart contract

 -> Testing the smart contract

Task 4:

-> Creating a user interface to interact with the smart contract

-> Interacting with the dapp in a browser

Submission Guidelines: Submit only single .docs file

- Create a .docs file and name it as your rollNumber.
- Follow the above link and after performing each step, took the screenshot and paste it in .docs file. (Proper documentation)
- Once you Dapp is running successfully, record a short video in which the browser is open, and you buy the pet and show the backend situation of Ethereum. Upload the video on google drive and paste the link of video in this .docs file.