Virtual University



iT430 – E-Commerce
Assignment No.2 Solution
Semester: Spring 2024

Total marks = 20
Deadline
24th of Jun 2024

Please carefully read the following instructions before attempting the assignment Solution.

NOTE

Don't copy-paste the same answer.

Make sure you can make some changes to your solution file before submitting copy paste solution will be marked zero.

If you found any mistake then correct yourself and inform me.
Before submitting an Assignment GDB checks your assignment requirement file.

For any query, feel free to Contact at
WhatsApp: +923074960034

Provide by M.JUNAID QAZI

Question 1:

Scenario

E-business models are essential frameworks that define how companies leverage the internet to conduct their operations, serve customers, and generate revenue. They vary based on the nature of transactions, the parties involved, and the strategies employed to reach target markets. The following table presents different scenarios that depict various e-business models in action.

Given the scenarios in the Table 1 below, identify which e-commerce model each scenario represents.

MjunaidQazi
WhatsApp: 923074960034

Table 1: E-Business Models with Scenarios

Scenario	E-commerce Model
1. Ahmed wants to purchase a rare book. He visits an	**E-commerce Model**: **B2C (Business to**

CONTACT ON WHATSAPP
+923074960034

Scenario	E-commerce Model
online bookstore, finds the book he wants, reads some reviews, and buys it directly from the website. The bookstore handles the transaction and shipping directly to Ahmed.	**Consumer)**
2. ABC Corporation, a large manufacturer of automotive parts, sources components from multiple suppliers online. They have established partnerships with various suppliers who provide them with the necessary parts to maintain their production schedules.	**E-commerce Model**: **B2B (Business to Business)**
3. Zara, a consumer, has an antique piece of furniture she wants to sell. She lists it on an online marketplace where other users can bid on the item. John, another consumer, wins the auction and purchases the antique directly from Zara.	**E-commerce Model**: **C2C (Consumer to Consumer)**
4. The federal government is seeking a company to develop a new public health website. They award the contract to Digital Solutions Ltd., which specializes in government projects. Digital Solutions Ltd. develops and maintains the website as per the government's requirements.	**E-commerce Model**: **B2G (Business to Government)**
5. Faiza, an independent artist, creates a profile on an online platform dedicated to handcrafted goods. She uploads images of his art pieces along with detailed descriptions. Customers can browse her portfolio and purchase her artworks directly through the platform.	**E-commerce Model**: **B2C (Business to Consumer)**

Question 2: As an intelligence officer, you are tasked with cryptograph the following message using two cryptography techniques:

1. **Substitution** Apply the substitution method where:
   - Replace every occurrence of the letter 'a' with 'z' if 'a' appears before the letter't', otherwise replace it with 'w'.
2. **Transposition** Use the transposition technique with a 4 x 10 table to encrypt the substituted message.

The Message to be encrypted is: **"Plan ahead for the upcoming event with caution"**

M junaid Qazi
WhatsApp: +923074960034

CONTACT ON WHATSAPP
+923074960034

Solution:

tep 1: Substitution Technique

Apply the substitution method:

- Replace every occurrence of the letter 'a' with 'z' if 'a' appears before the letter 't', otherwise replace it with 'w'.

Substituted Message: "Plwz hezd for the upcoming event with czution"

Step 2: Transposition Technique

Use the transposition technique with a 4 x 10 table to encrypt the substituted message.

Transposition Encryption:

1. **Fill the 4 x 10 Table:**

P l w z h e z d f o r t h e u p
c o m i n g e v e n t w i t h c z
u t i o n

Encrypted Message: "Pcuh lcom wiev zdht heun zfth for twt heci upcw"

Every Assignment/GDB is change due to unique Student ID so don't copy
That is truly perfect step by step idea solution get help easily.

Wish you the very best of Luck!

M.junaid Qazi

WhatsApp: +923074960034

CONTACT ON WHATSAPP
+923074960034