



**INNOVATION IN TEACHING - LEARNING**

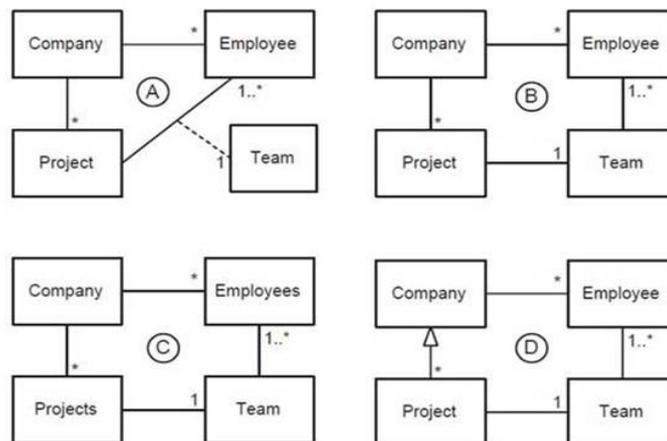
<b>Faculty Name</b>	: Rekha P M	<b>Date</b>	:
<b>Course Name</b>	: OOMD	<b>Time</b>	:
<b>Course Code</b>	: 10CS71	<b>Academic Year</b>	: 2017- 18
<b>Semester &amp; Section</b>	: III-B		

**OBSERVE & WRITE**

**Description:** observe the diagrams and give the appropriate answer

1. Consider the following situation: a company realizes projects; each project is executed by a team of employees. Which would be a suitable conceptual UML diagram?

- A. diagram A
- B. diagram B
- C. diagram C
- D. diagram D

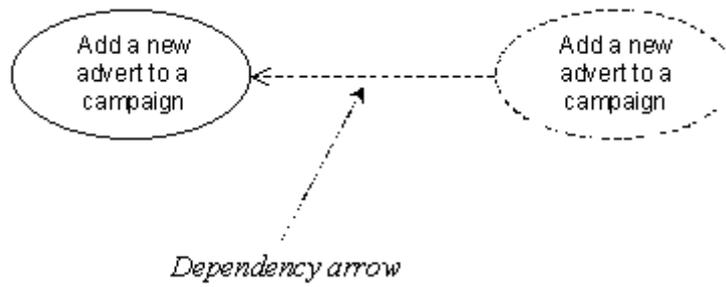


1

2. What is the significance of the dependency arrow in this diagram?

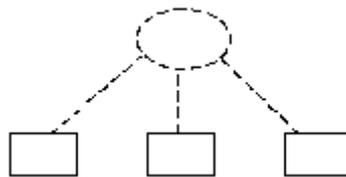
- A. It shows that elements within the collaboration (the dotted ellipse) may reference elements within the use case (the solid ellipse).
- B. It shows that the collaboration (the dotted ellipse) cannot be implemented until the use case (the solid ellipse) has been implemented.

C. It shows the direction of the flow of control when the software executes.

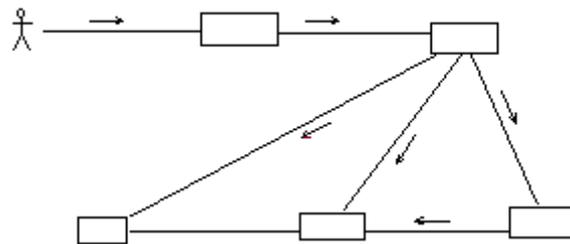


3. Which of these figures is a collaboration diagram?

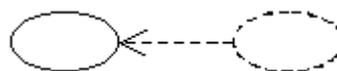
A.



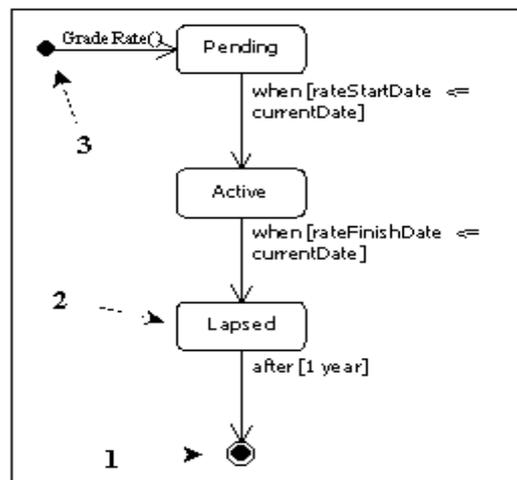
B.



C.

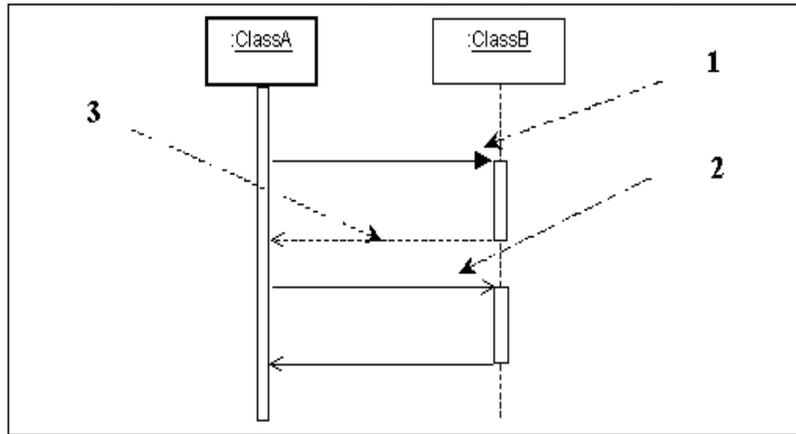


4. On the following figure which symbol represents the final state in the state chart?



- A. 1
- B. 2
- C. 3

5. Which of the labelled symbols in the following diagram represents a synchronous message?



- A. 1
- B. 2
- C. 3



**JSS Mahavidyapeetha**  
**JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60**  
**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**

**INNOVATION IN TEACHING - LEARNING**

---

<b>Faculty Name</b>	<b>: MAMATHA G</b>	
<b>Course Name</b>	<b>: Information Systems</b>	<b>Date: 09/10/2017</b>
<b>Course Code</b>	<b>: 10IS72</b>	<b>Time: 3:00-4:00</b>
<b>Semester &amp; Section</b>	<b>: 7<sup>th</sup> 'B'</b>	<b>Academic Year:</b>
<b>2017- 2018</b>		

**Innovative Activity name: "Perceive the case"**

**Description:**

- This activity is suggested to be performed as a team/group.
- Students can read and understand/discuss the Case which is a real world scenario and writes a descriptive answer.

**1] My Ethical responsibilities**

As a prospective manager, business professional, or knowledge worker, you will be challenged by the ethical responsibilities generated by the use of information technology. Example illustrates some of the security challenges associated with conducting business over the Internet.

**Hannaford Bros.: The Importance of Securing Customer Data**

Hannaford Bros. may have started as a fruit and vegetable stand in 1883, but it has expanded from its Maine roots to become an upscale grocer with more than 160 stores throughout Maine, Massachusetts, New Hampshire, upstate New York, and Vermont. In March 2008, the supermarket chain disclosed a data security breach; Hannaford said in a notice to customers posted on its Web site that unknown intruders had accessed its systems and stolen about 4.2 million credit and debit card numbers between December 7 and March 10. The breach affected all of Hannaford's 165 supermarkets in New England and New York, as well as 106 stores operated under the Sweetbay name in Florida and 23 independently owned markets that sell Hannaford products.

In a likely precursor of what was yet to come, two class-action lawsuits were filed against the company within the week. The filers argued that inadequate data security at Hannaford had resulted in the compromise of the personal financial data of consumers, thereby exposing them to the risk of fraud. They also claimed the grocer also appeared not to have disclosed the breach to the public quickly enough after discovering it.

Even though the Hannaford breach is relatively small compared with some other corporate security problems, it is likely to result in renewed calls for stricter regulations to be imposed on companies that fail to protect consumer data. In addition to facing the likelihood of consumer lawsuits, retailers who suffer breaches have to deal with banks and credit unions, which are getting increasingly anxious about having to shell out tens of thousands of dollars to pay for the cost of notifying their customers and reissuing credit and debit cards.

Retailers, on the other hand, have argued that the commissions they pay to card companies on each transaction are supposed to cover fraud-related costs, making any additional payments a double penalty. They also have said that the only reason they store payment card data is because of requirements imposed on them by the major credit card companies.

While the ultimate impact of these and other security breaches may be hard to quantify, it represents one of the most important challenges resulting from the ubiquitous use of electronic

transaction processing and telecommunication networks in the modern networked enterprise, and one that is likely to keep growing every day.

The security of customer and other sensitive data also represents one of the primary concerns of IT professionals.

Answer these questions that outline the ethical dimensions of information systems

- a) What is the proper business use of the Internet and an organization's IT resources?
- b) What does it take to be a **responsible end user** of information technology?
- c) How can you protect yourself from computer crime and other risks of information technology?

## 2] Careers in IS - Disaster Recovery Manager

"How important are your data to you?" "What would happen if . . . ?"

While business managers focus on solving business problems and determining what their information systems should do, Disaster recovery consultants ask what would happen if things go wrong.

With careful advance planning, disaster recovery specialists help their clients prevent calamity, software issues, installation configuration issues, and security threats, examining common end-user mistakes may also prove enlightening. Common end-user mistakes include:

- Failure to save work in progress frequently.
- Failure to make a backup copy.
- Failure to store original and backup copies in different locations.

For each of the common end-user mistakes listed above, answer the following questions:

- a) How might this mistake, result in data loss?
- b) What procedures could you follow to prevent this risk?

## 3] Survival thro' adaptation

To be an **Agile company**, a business must use four basic strategies.

- First, the business must ensure that customers perceive the products or services of an agile company as solutions to their individual problems. Thus, it can price products on the basis of their value as solutions, rather than their cost to produce.
- Second, an agile company cooperates with customers, suppliers, other companies, and even with its competitors. This cooperation allows a business to bring products to market as rapidly and cost-effectively as possible, no matter where resources are located or who owns them.
- Third, an agile company organizes so that it thrives on change and uncertainty. It uses flexible organizational structures keyed to the requirements of different and constantly changing customer opportunities.
- Fourth, an agile company leverages the impact of its people and the knowledge they possess. By nurturing an entrepreneurial spirit, an agile company provides powerful incentives for employee responsibility, adaptability, and innovation.

## 4] Competing against Free - Wikipedia Faces Down Encyclopedia Britannica

The record and movie industries are not the only industries to find themselves affected by free access to their products. Encyclopedia Britannica faces challenges by a nonprofit competitor that provides its services without charge or advertising, Wikipedia.org.

Wikipedia depends on volunteers to create and edit original content under the condition that contributors provide their work without copyright. Who would work for free? During the creation of the *Oxford English Dictionary* in the 19th century, the editors solicited word articles and references from the general public. In the 20th century, AOL.com found thousands of volunteers to monitor its chat rooms.

Amazon.com coaxed more than 100,000 readers to post book reviews on its retail Web site. Outdoing them all in the 21st century, Wikipedia published its one-millionth English language article in March 2006.

Wikipedia includes more than two million articles in more than 200 languages, all created and edited by more than one million users. Can Wikipedia compete on quality? Wikipedia provides its users both editing and monitoring tools, which allows users to self-police. Wikipedia also uses voluntary administrators who block vandals, temporarily protect articles, and manage arbitration processes when disputes arise.

A paper published by *Nature* in December 2005 evaluated 50 Wikipedia articles and found an average of four factual errors per Wikipedia article compared with an average of three errors per article in the Encyclopedia Britannica. More significantly, Wikipedians (volunteers) corrected each error by January 2006. Alexa.com rated Wikipedia.org as the 17th most visited Web site on the Internet, while Britannica.com came in 2,858th place (Yahoo and Google ranked in the 1st and 2nd places).

Wikipedia has already built on its success. In addition to offering foreign language encyclopedias, it also provides a common media archive ([commons.wikipedia.org](http://commons.wikipedia.org)), a multilingual dictionary ([www.wiktionary.org](http://www.wiktionary.org)), and a news service ([www.wikinews.org](http://www.wikinews.org)).

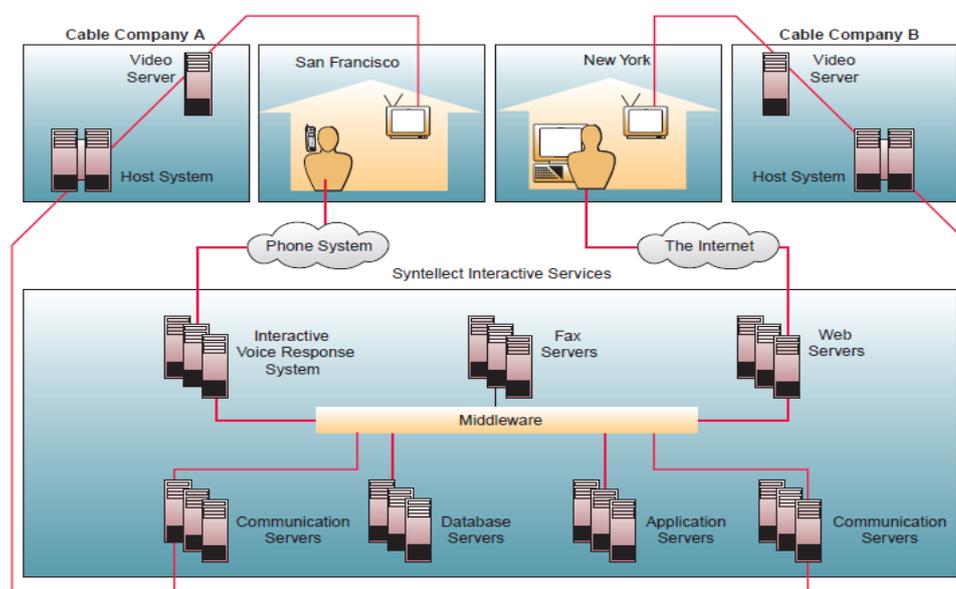
Answer these questions that outline the agility of a company

- a) How does the Wikipedia Foundation meet the criteria for an agile company?
- b) How would you recommend that Encyclopedia Britannica adapt to this new threat?

## 5] Order the events

**Online transaction processing systems (OLTP)** play a strategic role in Web-enabled businesses. Firms use Internet to tie them electronically to their customers for OLTP. This *real-time* system, capture and process transactions immediately. This capability adds value to firms' products and services, and thus gives them an important way to differentiate themselves from their competitors.

Figure illustrates an OLTP for **Cable pay-per-view systems** developed by Syntellect Interactive Services. Syntellect teams with more than 700 cable companies offer very popular and profitable services.



## The Event list:

1. Customer and sales databases are updated
2. Pay-per-view order is captured by Syntellect's interactive voice response system
3. Approved order is relayed back to Cable Company's video server
4. Cable TV viewer selects pay-per-view events by www





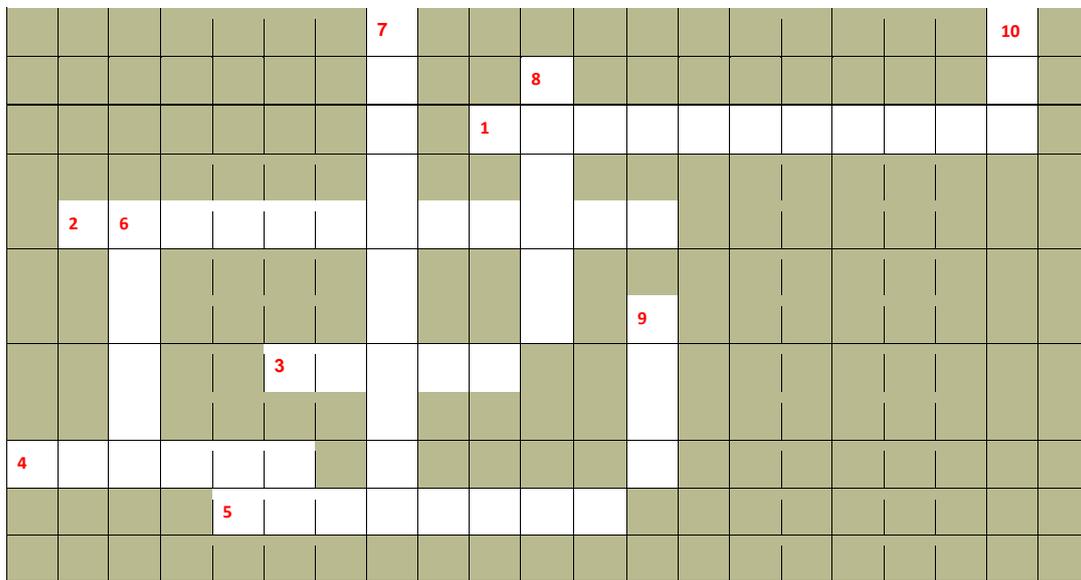
**JSS Mahavidyapeetha**  
**JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60**  
**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**

**INNOVATION IN TEACHING - LEARNING**

Faculty Name : Mrs SUDHA P R  
 Course Name : C# PROGRAMMING AND .NET  
 Course Code : 10IS761  
 Semester & Section : VII 'A' & 'B'  
 2017- 2018

Date :  
 Time :  
 Academic Year:

**Cross Word on C# Programming Concepts**



Across	Down
<ol style="list-style-type: none"> <li>1. They have a same name as the class and they initialize the data members of the new object.</li> <li>2. It has many Forms</li> <li>3. Value Type variables are stored in the ____.</li> <li>4. A ____ is a code block that contains a series of statements.</li> <li>5. It is a compiled code that can be executed by the CLR.</li> </ol>	<ol style="list-style-type: none"> <li>6. Instance of a class.</li> <li>7. The ability to create a class from another class.</li> <li>8. is the process of converting a value type to the type object.</li> <li>9. Reference Type variables are stored in the ____.</li> <li>10. the virtual machine component of Microsoft's .NET framework, manages the execution of .NET programs</li> </ol>



JSS Mahavidyapeetha

JSS ACADEMY OF TECHNICAL EDUCATION, Bangalore-60  
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

## INNOVATION IN TEACHING - LEARNING

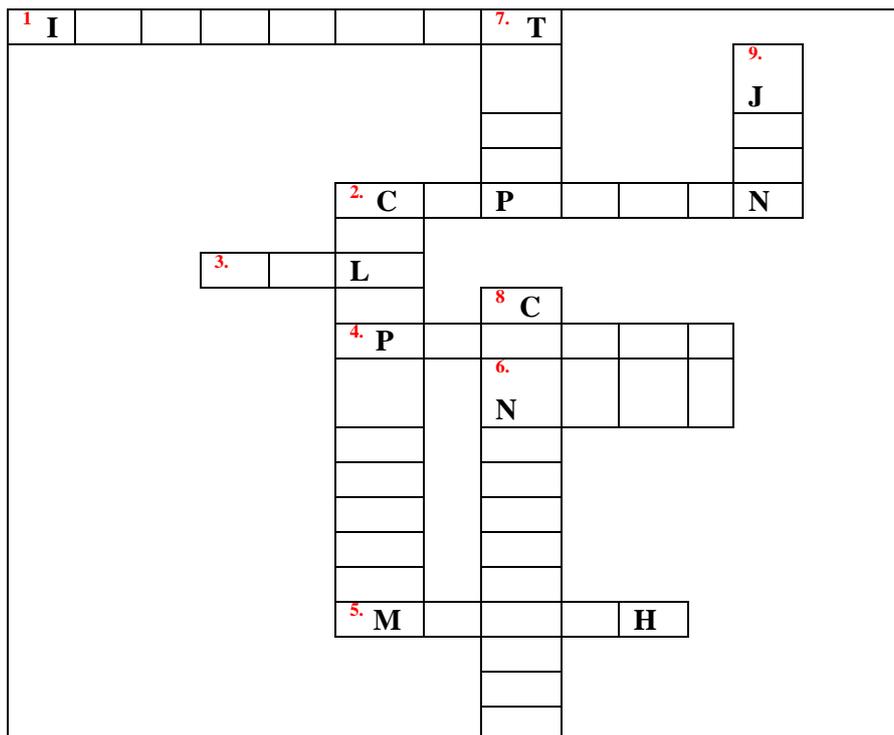
Faculty Name : Sahana V / Nagashree S  
Course Name : Programming the web  
Course Code : 15CS73

Date:  
Time :  
AY: 2017- 2018

Semester & Section : VII 'B'

### Innovative Activity Name: Crossword on Web Basics

Different crossword questions are based on concepts of basics of HTML, Cascade Style Sheets and JavaScript were given.



### Left to Right

1. Huge Collection of Computers Connected in a communication Network. (8)
2. Tag used to specify the heading in the table tag. (7)
3. Used to identify documents on internet (3)
4. This method creates a dialog window that contains a text box ( 6)
5. This method returns array of results in pattern matching operation (5)
6. A primitive type in JavaScript (4)

## **Top to Bottom**

2. A table tag attribute used to specify the spacing space between content of a cell and inner wall of the cell (11)
7. Protocol that allows a program on one computer to communicate to a program on other computer via internet (5)
8. Special method that creates and initializes the properties for newly created objects (12)
9. This method converts all of the elements of an array to string and concatenates them into a single string (4).



- c. HttpServletRequest
- d. ServletRequest

6. Which method shows the client what server is receiving?

- a. doGet
- b. doOption
- c. doTrace
- d. doPost

7. Which is the life-cycle procedure?

- a. constructorcall=>;classloading=>init()=>service()=>destroy()
- b. classloading=>constructorcal=>init()=>;service()=>destroy()
- c. classloading=>constructorcal=>init()=>destroy()=>service()
- d. All the above

8. Which method exists in HttpServletClass

- a. service
- b. init
- c. doGet
- d. doPost

9. Which of these method always sends a header back to the client to get the desired page

- a. forward
- b. redirect
- c. Both
- d. None

10. How can we get context init parameter and run some code before rest of the application can service a client?

- a. ServletContextAttributeListener
- b. ServletContextListener
- c. HttpSessionListener
- d. All