MID

CSE-401

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Ans. to the ques. no.--02

IPO (Input-Process Output) chart are drawn
below:

IPO chart for Registration:

Input	Process	Output
① Customer details like email, password, Name, Address, Phone No. for Registration.	① Check database if this user id, email is already registered or not. ② If not registered already then, create a new entity in the database. ③ create the user and store the user.	① Registration complete on the User screen. ② User can now access their shopping cart and purchase the product.

IPO chart for Login:

Input	Process	Output
① User Id and ② Password	① Check credentials (userid and password) in the database to check if they are valid. ② If valid user in logs in	① customer logins in the system and can access to their shopping cart and others UI.

P. T. O.

IPO chart for Payment:

Input	Process	Output
① Type of Payment. Debit or Credit card, or Postpaid, check or bank draft.	① Check the payment credentials with the third party like Pay-Pal if the credential is valid or not.	① Payment success showed to customer UI.
② and based on the type take the credentials as Input.	② If valid then customer paid list for the product in into the database	② Customer purchase complete. ③ Delivery of the product gateway to the customer.

Ans. to the ques. no. - 03

Creating the Decision TABLE that captures the given business rules in this policy:

Condition Stub   Condition entry

		1	2	3	4	5	6	7	8		Y-Yes
IF	① Works for atleast 2 years.	Y	N	N	N	N	N				N-No
	② 5 years atleast	N	Y	N	Y	N	N				
	③ 10 years atleast	N	N	Y	N	N	N				
	④ 10 yr +				N	Y	N				
	⑤ 15 yrs and more					Y					
	⑥ first $30,000										
	⑦ next $25,000,										
	⑧ $30,000 to $55,000										
THEN	① 5% of first $30,000	X									
	② 6% of first $30,000		X								X → Action taken
	③ 7% of first $30,000			X							
	④ 4% of next $25,000				X						
	⑤ 3% of next after $25,000				X						
	⑥ 5% from $30,000 - $55,000						X				
	⑦ 7% f first $30,000 and 5% after that							X			

Action Stub   Action Entry.

Ans: to the ques. no. -01

Functional Decomposition:

Functional Decomposition is the document
tool for structured design, to re the
hierarchy on structured chart. So,
Functional Decomposition is a graphic
tool for representing hierarchy and
its three elements: ① module ② connection
③ Couple.

Elements of structured design chart are:

① The module: It is represented by a
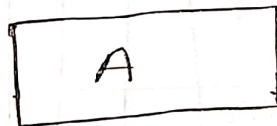rectangle with a name. It Is a contiguous
set of statement for the chart.

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│   A   │
└─────────────┘

fig: module

② Connection:

    Connection is represented by arrows. It means one module has called the other module. If A calls B and c both then
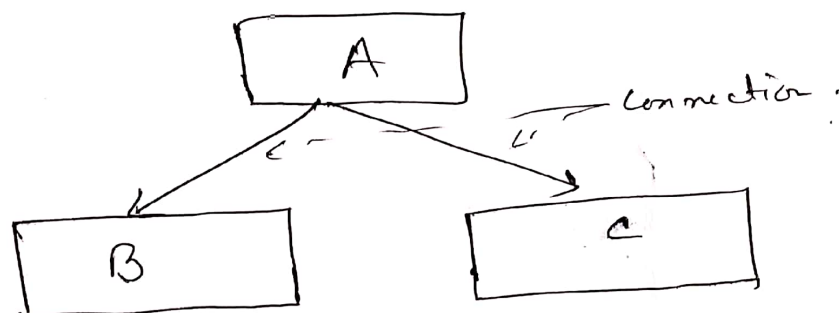

fig: Connection

③ Couple:

    couple is a circular with an arrow and it represents data item movement from one module to another.
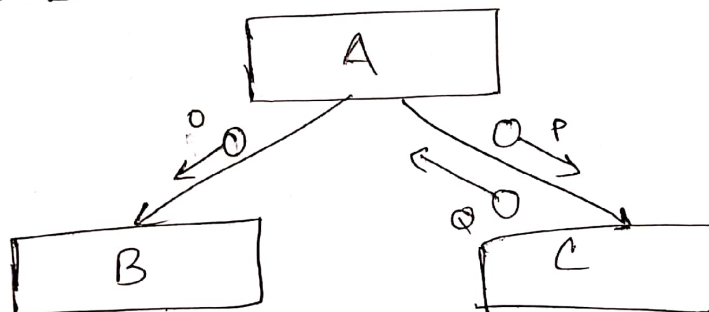

fig: Couple

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end - Ayan