ODSE-LOUS CE121 Jevalit Shah 11 📚 14 20 Class Diagram UserInventary Agricle USOILIST: LIST title: string Login description: string Reg:6702 O ... K like: int get User like set Anticle get Users hasa addAnticle 1 OWNS contains update Agricle 1 delete Agricle 0 ... X Usen Anticle Comment figst Name: Storing description: String last Name: string like: int email: String like user name: string O... & addComment Password: String comments to article. deleteComment Student: Boolean getComments ( Organization. String gertsername get Passward ANSWEIL getEmail description: Spring give anower to live: int questo ask like (Pubish) Question question give Answer question: signing uplate Answer askQuertion delete Answer contains update Or restion O ... & ger Answers delete Ortestion get Question

## Modified Class Diagram & it's Relationship oxplained

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Here links and associations are used to define the relationship. Marine

Links. it is a physical or conceptual connection among objects. for example, swallt works-for Grossle company. Most links are relate two owlets, but some links & relate three or more cobjects, there were made to the

Association - it is a description of a group of links with common structure & semantics

ANYSTREET OF POSTATION MUDDLE OF DOCUMENT

Relationships WHOUS BUT IN THE BOURD ON THE SUBJECT OF THE SUBJECT OF

1). User ' ' UserInventory.

- it is one to one marred association,
- each user is associated with the one User Inventory Only. Harterian some of a distance of a dags with boundary at a torner man

2) USE 1 O. \* QUESTION MINIONA ME

- it is one to many mapped relationship
- whose each usor can ack a on multiple allestrons. on each user can fost a as any number of The market of Later a real to Questions

	3). User 1 D. X Agricle
	a oldtionship.
	- it is one to many marped relationship.  - it is one to many marped relationship.  - where each usor can post multiple articles
	- unique each usor can post much
	to the on the sustem.
	w. User 1. O x Anticle Comment
	marred so
	- where each user can corrince
	comment on any dittiles.
	The same of a control of the same of the s
	5. User 1 O.K Answer
	- it is one to many mapped relationship
	- unere each user can have their multiple
-274	posted answers on the orientons in the system.
	mention and the second of the
	6). Agricle 1 O. K Agricle Comment
	partition to togging and of the
	- it is one to many mapped guelationship.
	- unere one article can have muttere
	- Agricle comments associated with each.
	778 58 72 4 3 1 1 2 2 ·
	7) QUESTION 1 O. A ANSWER
	7 de manier l'artipar partir de manier
	- it is one to mainy marpped relationship.
	- unere for one ouestion, there can be multiple
	associated answers.

Marian

R	Basic structure of classes.					
	PHILIP PHILIP CALLED					
	Public class User					
	E public int usertd; Public int spring first Mame;					
	Public string last Name;					
	Public String emouil:					
	public spring username;					
	public String password;					
	Public String organization.					
	Public boolean Student;					
	2.5 (4) 50 36 Styne 37					
	Public String get Emall ();					
	Public Storins get Password ();					
	Public string get Usernamec),					
	Public class UserInventory					
	Public list reservice.					
	public void Login (Storing rusername,					
-	Storing rassimolis					
	12 2200 Starl String Frame String Name,					
	String of tall, stills					
	CANNA PRISUMITER, SACTO COLO					
	- Strautus					
	when ( int String username);					
	Public User geruser (int string rusername);					
	PUBLIC USER GERUSERS ( TRA DIAME					
	3					

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Public class Anticle Public int Anticle Id; Public Spring title, description; Public int live = 01 UserId; Public void like(); Public Aprille getAprille (int id); Public void add Agrificle (String fitte, Spring destriction). Public void replate Aprilie (String title, String description, an ar int id ) 17 Public void delete Agride (int id); Public class Anticle Comment public int Asil anticle Comment Id, USOIJd, anticleId; Public spring description; Public int like=0; Sale Holling British Printers Public void like(); PUBLIC Agrifice Comment [] DetComments (int articles) int usered); existic void Add add comment ( soring desc) Pusic void undateComment (string desc, intidi Public vois desete Comment (Intid); y

	Page No.:
TOTAL COMMENTS	
Public class Question	± 10079 N
Elem 2020 Chanks and the contract contract to	
PUHICUINAL GOVERNO TI	-235 M
Public int aneonon Id, userId:	1-4-6
Public String question;	77. 1. 7. j.
Pullic and some will be done	er kuren
Public void ask Quedion (String quedion	Σ) ;
Publicaroid replate Question [intid, strip	is queotion);
Public void delete Question (intid);	iou iva
Public Duestion get Question (intid);	1 046
y 3d Structure of Markens to the first to the first to the	
	Istari
Public Class Answer	
{	1:10 : 0 :
public int answertd, ristital, questionid,	IINE-U;
Public sprins description;	4-0-E
PUBLIC void give Answer (spring description	m):
Public void relateAnswer (int id, strin	9
Suplic Lord Magrellismon (95201)	Ption);
12 LOAD BROUNTA (INT id):	re ev
$\alpha \circ (\alpha) \circ $	
2 57 APT TIBLUUS ( 174 BIS	
public Answer J goring int ques	tionId);

y

And the second s

# & Plan for remaning implementation

- now after deprening all the use cases, classes and after structuring all the class, usecase and state dicionam, the implementation of Oreating daterbase and orlating foro classes will be done.
- the abor finstly all classor will be abstract and then according to the need we'll gradually more forwards to the implementation of methodo.
- 9d 11im as illording, controller as will be included.

# State Chart Diagram.

#### \* States

- Loggedout in land what change
- maximes for user Input
- Response to rist

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### characteristics of states

- · Logged In >
  - When user has entered correct Gredentials then user is allowed to access du the arithorized contents.

timent timent

- · Lossed out / idle:
  - When USBs has successfully logged out of the system then user will not be allowed to accept the authorized contents.
- · waiting for user input,

Do ATA

- unen sustem is having form to tillup any data then state is waiting infinitely for the user to input given by the user

#### (Respond)

- · Response to user
  - un atter accepting input data, & system will goes to the Response to user stell Brom waiting for user input, depending upon the data Browned by the user sin this state SUGEM WILL Show Everen on success mestage depending on what the data is has entered by the riser.

State Diagram. Login Eralid input J inital Loosed In state logged out 3 rogout Idale timealt timeout static Tloogedinj selection Enot lossed of USBL inj login Linvalid ingutz Responding FOT CRUD on any other Respond Perention USCI nothoretoiese Greset AMP CAMAR IS INT Password User selection NA217 FUSCIENTIFIED USE SELECTION Success or Bown message based on brovided data From MRPO waiting for user input Cancel action Stevent Chack / Brevious action action. canciel action