

## OOSE - Lab-2

Page No.

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- \* Aim - Write Project use case scenarios, Project goal, system architecture & E-R diagram.

### ⇒ Project Goal:

The goal of the Project is to provide an online platform for posting blogs and ask questionnaires & answer them for ECE CSE students. Where user can ask for err suggestions, doubts and error etc. A person associated with this application will gain the knowledge by reading for Articles published by others. And user can be more clear with their queries on the questionnaire platform. And user can give their feedback as a reaction to their post too. To maintain certain decency, on the platform if there is unwanted content then, administrator can remove that content as well after reporting against it.

## ⇒ Project scope:

This "Online Articles and Discussion platform for CSE Students" is available as to anyone who belongs to computer related field. There is a system administrator who manages all users and contents at the very top level. Users can post/update/delete Articles or comments or questions, and can give their reactions to it.

## ⇒ Major functional requirements.

### • Requirements of Administrator of the system.

- block/unblock the user
- login / forgot password
- ~~accept/rejected critical site of your content based on the right and the report done by the another tools of google developer;~~
- accept/reject report content at
- view contents on the site.
- statistical data
- Logout
- forgot password

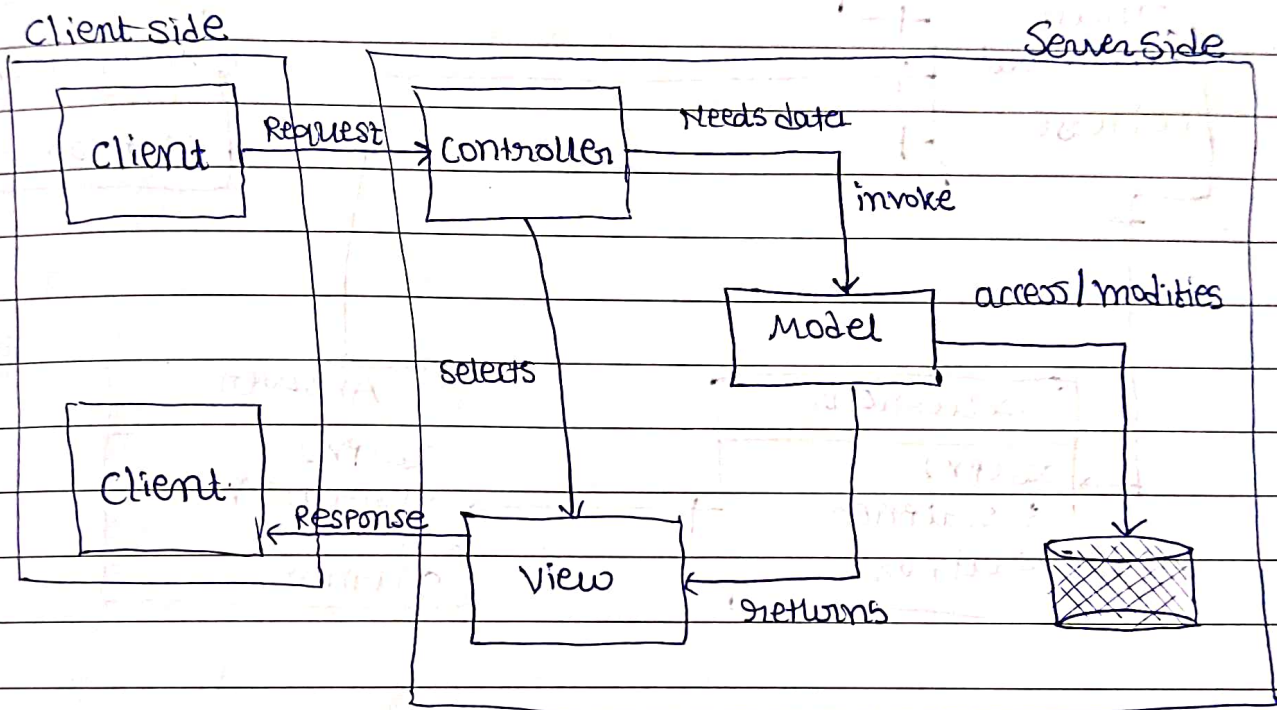


## • Requirements of end users.

- create account
- login to the platform
- logout
- view Profile
- like comments / posts / Articles
- manage Article / blogs
  - publish article
  - update article
  - view articles
  - delete article
- manage Questionnaires / Answer
  - ask questions
  - update questions
  - view questions
- manage answers
  - answer the question
  - modify answers
  - delete answers
- like comment on Articles / blogs
- report the unwanted content
- like and comment Answer & posts
- Logout from the system
- Forget password,

⇒ system architecture.

- This application developed using MVC dotnet core web framework.
- hence it will follow the MVC architecture.



### Block diagram of MVC Architecture

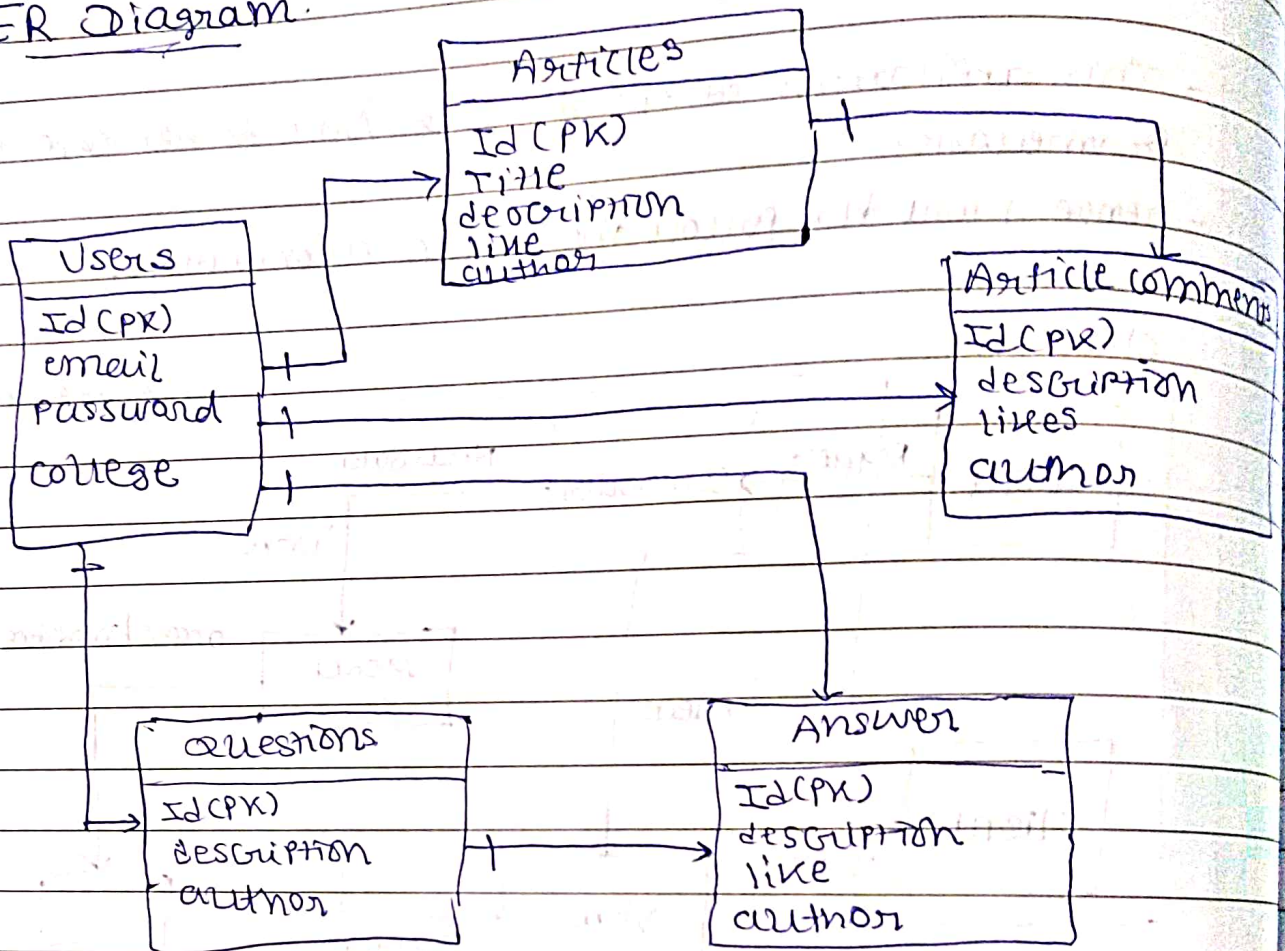
**Controller:** - defines server side behaviour and it maps http request to model. it selects the view to render.

**view:** - Renders model's data, responsible for UI.

**model:** - it provides interface for db queries  
encapsulation of data.



⇒ ER Diagram.



## \* Use cases

### 1. Register new user

**Summary** - If user is new to the system then the user can register themselves at here.

**Description** - Depending upon user selection, a registration form is displayed to the user. and user needs to fill up the details in order to get registered.

Action - user

Pre-condition - system is waiting for the user input.

Exceptions.

1). Cancel - if user clicks the cancel button then the whole data filled in the form gets waived.  
hence, process w- of registration will be terminated.

2) email is already registered. when two or more same name email can't be possible to store in a table.

post condition - User will be redirected to the login, display to dashboard to the signed user.

## // 2 Delete Reported content-

summary - if user reports the content as an unwanted then it can be removed.

Description - depending upon user selection, content is selected for the "reporting content as an unwanted content".



after that administrator of the system will get a request to delete that content. Now depending upon the administrator's choice it will accept or reject.

- if accepted then the reported content will be removed.
- else content will not be deleted.

Actor - User, Article.

Pre condition - User must be authenticated.

Error condition - -

Post condition - User will be notified once the content is delivery or not.

### 3. Comment on the posts / Articles

Summary - user can comment on the articles.

Description - Firstly Article is created by some of the user then, any other user will log in to the system, then that user will view that article and user can give suitable comment on the same provided the text box for the comment. After submitting the comment, that comment will now appear with that Article.

Actor - User

Precondition - User must be registered to the web platform.

Error condition:

- 1) if user submits the Comment textbox without filling it, then error will be displayed that field is required.

Post condition - after successful comment on the article, user will be redirected to the list of the comments done by the all of the user on the same post.

#### 4. Like on answer

Summary - User can answer the to the Questions

Description - firstly, question must be asked by any user - then any of the other user can give answer to the same question multiple times. so, after putting that user will like the answers depending on the choice or on clarity of understanding to the user.

Actor - User



Precondition: User must be registered to the system

Error Condition: -

Post condition: UI of the answer will be changed according to the selection of like is done or not.

## 5. Reset Password.

summary: user's password can be ~~reset~~ reset.

description: Firstly user needs to enter the valid email id to input and then reset password page's token link with token generates and sent to the registered username. selecting upon that link, it will leads user to reset their password.

Error condition:

- 1) if user is not registered. <sup>an email is wrong</sup> Error message will be shown.
- 2) if reset password link is tempered. then user will redirected to error page.  
(Access-denied or resource denied)

Usp Action: User

Pre condition: user must be a registered user

Post condition: after successful password reset, it will redirected to login again.