Unit 7 - Week 4

Course outline

How to access the portal ?

Week 0 : Assignment 0

Specification

Week 1

Week 2

Week 3

Week 4

- Tutorial : LMS (Lecture 27)
- SRS Document: LMS
- Module 16: How to Identify Classes and Objects ? (Lecture 28)
- Module 17: Identification of Classes, Objects and Relationship in LMS (Lecture 29)
- Module 18: Identification of Classes, Objects and Relationship in LMS (Contd.) (Lecture 30)
- Module 19: Identification of Classes, Objects and Relationship in LMS (Contd.) (Lecture 31)
- Module 20: Identification of Classes, Objects and Relationship in LMS (Contd.) (Lecture 32)
- SRS Document of Assignment Management system (AMS)
- Lecture Materials
- Quiz : Assignment 4
- Feedback for week 4

Week 5

Week 6

Week 7

Week 8

Solutions

Live Session

Assignment 4

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-25, 23:59 IST.

This assignment is based on the following brief specification on Instagram: Instagram is a photo and Video sharing social networking service available as application (app) on both the iOS and Android platforms. The application allows users to register into the system and upload photos and videos to the service; User can organize the photos by the pre-defined tags in the app. The app defined tags for photo are portrait, nature, landscape, wildlife, street and macro. For Video the predefined tags are travel, social event and street. Each photo and Video can be tagged to at most one of the predefined tags. The posts submitted by a user can be shared publicly or with pre-approved followers. By default the visible content to a user is available in reverse chronological order. User can filter the content by tag, and view. Users can *like* photos and videos; liked photos/videos are shown with a thumbnail mark below the content. The photo and video also show the information like number of users liked, size of the photo and duration of the video. User can also comment on a photo/video which is displayed at the bottom of it. A user can request for permission to *follow* other users to get view access to their restricted content. By default the follow request gets approved automatically by the system unless the users to be followed set their account as *private*, thereby requiring that they approve any new follower requests.

1) For an Instagram design, identify the classes from the option below : 2 points

(a) Private
(b) User
(c) Video
(d) Like

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)
(c)

2) Attributes of Photo include : 2 points

(a) Follower list
(b) View access/permission
(c) Duration
(d) Date/Time of upload

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)
(d)

3) Identify the nouns belonging to the content cluster from : 2 points

(a) Follower
(b) Like Count
(c) Grant Request
(d) File Name

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)
(d)

4) Identify the correct class hierarchy : 2 points

(a) Content ← Video Content ← Photo Content
(b) Content ← Photo Content and Content ← Video Content
(c) Content ← Photo Content ← Video Content
(d) None of the above

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)

5) Responsibilities of an user includes : 2 points

(a) Request follow user
(b) Grant/Reject follow request
(c) Display tag
(d) Tag a content

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)
(b)
(d)

6) Identify the collaborator(s) of the Tag class : 2 points

(a) User
(b) Content
(c) Comment
(d) All of the above

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)
(c)

7) Responsibilities of comment include : 2 points

(a) Display Comment
(b) Display User
(c) Tag Content
(d) Display Like count

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)
(b)

8) We can cluster Photo Content and Video Content with the class Content by : 2 points

(a) Structural Clustering
(b) Prototype Clustering
(c) Conceptual Clustering
(d) Behavioral Clustering

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(c)

9) Attributes of Comment include : 2 points

(a) Content Id
(b) User Id
(c) Comment string
(d) Follower list

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(b)
(c)

10) Identify the key abstractions from the following : 2 points

(a) User
(b) Content
(c) Follower list
(d) Access type

(a)
(b)
(c)
(d)

No, the answer is incorrect.
Score: 0
Accepted Answers:
(a)
(b)