

QUESTION BANK-SE II

TA SOFTWARE ENGINEERING II (R4CO3011T) (SELECT ANY FOUR QUESTIONS FOR TA WORK)

Q 1 Write SRS document for the software project-SOCIAL MEDIA

The most popular social media websites are as follows(Choose any one)

1. Facebook
2. YouTube
3. WhatsApp
4. Facebook Messenger
5. WeChat
6. Instagram
7. QQ
8. QZone
9. Douyin/Tik Tok

10 Sino Weibo

Other applications

Artificial intelligence

Distributed systems

Cloud computing

Application firewall

OR ANY APPLICATION OF YOUR CHOICE.

Q. 2 How can you manage the Object Oriented Projects. Comment on Object Oriented Software measurement. How it is different from structural approach ?

Q 3 Give the steps for

1. Object Modeling
2. Dynamic Modeling
3. Functional Modeling

Q. 4 For the given case study , answer the following

Q 4.1 Draw the class diagram to represent the data requirements as following:

- (i) Identify the main class types.
- (ii) Identify the main relationship types between the class types.
- (iii) Identify attributes and associate them with entity or relationship types.
- (iv) Determine the multiplicity constraints for each relationship. State any assumptions necessary to support your design.

4.2 Map the class Diagram to Data structure design. Clearly identify persistent objects, control objects and boundary objects.

Q 5 Apply OOAD on your project

- (i) functional model.
- (ii) Draw use case diagram and illustrate any two use cases with preconditions, post conditions and algorithmic steps.
- (iii) Construct class diagram and Object model
- (iv) State transition diagram, Interaction diagram and activity diagram

Q 6 Construct the COMPONENT DIAGRAM and DEPLOYMENT diagram for the given statement of the problem.

Q7 ADVANCES IN DOMAIN

1) Build security module and interface it with your project and test it and show the results to each other. What are the comments given by your friends. Lastly show the result to your teacher.

2) How can you make this application scannable and interoperable with other applications. Write a code for it and show result to your teacher and friends.

3) Can you apply RE-ENGINEERING On your project. How justify?

4) What is SQA of object oriented systems? Explain it with respect to

- (i) Verification And Validation
- (ii) Various parameters deciding the quality.
- (iii) Reliability and availability.

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