FZIST

## National University of Computer & Emerging Sciences, Karachi Fall 2023 FAST School of Computing

MID II Exam

10th November 2023, 1:00 P.M - 2:00 P.M

Course Name: Software Analysis and Design Instructor Name :Dr. Muazzam Ali, Syeda Rubab Manzar, Javeria Farooq, Nida

Munawwar, Romasha Khur Nd, Noureen Fatima

Student Roll No:

- Return the question paper. Not returning will result in negative marking. Read each question completely before answering it. There are 3 questions and 2 pages only.
- In case of any ambiguity, you may make assumption. But your assumption should not contradict any statement in the
- Attempt all questions according to the sequence, any question answered other than the right sequence will be a sequence of the sequence will be a sequence of the sequence will be a seq

Max Marks: 28 points the right sequence will NOT be graded!!

(CLO2) Time: 60 minutes. Question 1: Draw a Robustness diagram of a given scenario.

[8]

Draw a Robustness diagram of a given scenario.

- User clicks on Create Post button on UI which promptly opens another text-box window where user enters The user interacts with the User Interface (UI) to create a new post and for that,
  - 2. When user press the submit botton on text-box window then window sends the post data to validate and
  - 3. This text box window also interacts with the MediaManager controller to handle the media files attached

  - 4. The MediaManager receives the media files, validates them, and stores them in the Media. 5. The media class returns references or links to these media files and associates the media file references with the Post and stores the post on the user's profile.
  - 6. The UI displays the successful posting of the content.

Question 2:

(CLO4)

[10]

Draw the activity Diagram from below mentioned scenario:

## **Process of Publication a Research Paper:**

The researcher first drafts the manuscript and sends it to their supervisor for revisions. The supervisor reviews the manuscript and sends back a revision form for the researcher to update the manuscript. The researcher then revises the manuscript. The supervisor can review the manuscript concurrently as the researcher updates it. This revision process is repeated until the supervisor is satisfied. Once the manuscript is approved by the supervisor, the researcher searches for a relevant journal for publication and adjusts the manuscript according to the journal's guidelines.

The publication process starts from submission of the paper. The researcher submits the formatted manuscript to an editor, who assesses both the research domain and formatting. The editor may either reject the manuscript (referred to as desk rejection) or accept it for further review. The editor has many other research papers to be assigned for review.

The accepted manuscript for submission is then evaluated by three peer reviewers within 14 days. Several conditions applied to the manuscript is sent back to the conditions apply: If two reviewers accept the manuscript and one rejects it, the manuscript is sent back to the researcher for malor and two rejects the manuscript is rejected. If all three researcher for major revisions. If one reviewer accepts and two reject, the manuscript is rejected. If all three reviewers accepts the manuscript is rejected.

For accepted manuscripts for publication, they undergo a final revision, and the publication fees are paid. The editor then proceeds to publication they undergo a final revision of publication remains consistent for all other then proceeds to publish the manuscript in the journal. This process of publication remains consistent for all other journal papers

For major revision, the editor returns the manuscript to the researcher, and the researcher updates the manuscript before resultant and the process. Throughout the before resubmission. The manuscript is then sent out for peer review again, continuing the process. Throughout the publication process, the researcher retains the option to decline publication, indicating a decision not to publish the paper in that journal.

Draw a sequence diagram for the passport processing application using the centralized online passport web-based

1. The applicant attempts to login to the online web application of the passport office. The applicant provides his/her credentials for login. Web application validates these credential. The applicant is only authenticated upon accurate credentials, and access is denied on incorrect login details. The authentication process is repeated until the applicant

2. After a successful login, the applicant then provides his/her details to the web application; this information is then

3 The passport administrator (PA) obtains the details of the applicant from the database; database returns the information. Then PA performs the verification, and updates the database and forwards to the regional

4. The regional administrator verifies the obtained details, verifies the details, and sends the report back to the passport administrator. The passport administrator updates the database based on the details provided by the regional administrator and forwards to the police to check the criminal record against the applicant.

5. The police perform the verification and return the report to the passport administrator. The passport administrator again updates the database based on the details provided by the police.

6. The passport administrator gets the criminal record from the police report. If there is no criminal record found against the applicant, the passport administrator generates the passport and issues the e-copy to the applicant.

Best of luck!!!!!