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| Course Name: eDAC | Batch : | May 2021 |
| Module Name: OOP with Java | Max. Marks: | 10 |

A1-Assignment

Q. Create an application called EBank. This application should have an Account[accNumber,name,email, phone,balance] class.
This application should also contain a Tester class which displays the following menu.

1. Add Account
2. Display an Account
3. Display All Accounts
4. Remove an Account
5. withdraw
6. deposit
7. transfer
8. search account using name
9. search account using email
10. search account using phone
11. exit.

Use Collection to save Account objects. Use Exceptions like InvalidAccountExceptions, AccountNotFoundExceptions and InsufficientBalanceExceptions and implement your own Interface called Operations which contains addAccount, displayAccount..and So on.

Create AccountUtils class to implement this Functionality and Create Tester class For Calling Main Method. validations on account.

1. Name should be more than 5 characters
2. balance should be more than 100.
3. email should contain . and @
4. phone should be of 10 digits.(consider it as a string)

Marks Distribution:

| Sr. No. | Points to cover | Maximum Marks |
|---------|---------------------------------|---------------|
| 1 | Upload Solved Assignment on git | 4 |
| 2 | Video – Technical Explanation | 3 |
| 3 | Video – Presentation Skills | 3 |
| | Total : | 10 |

Criteria for marking:

1. You have to solved each questions which is assigned to your group and upload on git.
2. **You should commit after each logical(After each Functionality) completion of assignment with suitable message**
3. Only GIT submission of assignment is not sufficient for evaluation.
4. If you do not have appropriate development history on the GIT for all your source files, then will not be evaluated.
5. Push your assignment work to repository before given **Deadline**.
6. Any kind of excuses and recommendations for evaluation by sending data on email will not be considered.

Submission Deadline:

Sunday, 13th June 2021, 6:00 PM

Steps to Prepare Video:

1. Go to link <https://www.loom.com>
2. Prepare a video on given Question (Explain in details)
3. Your video should not exceed more than 5 minutes.

Submission guidelines for Sunbeam LMS (Moodle):

1. After successful completion of Assignments, upload it on GIT and prepared video as per given instruction and Update following three things ready.

Start of Submission Template-----

InternalExam GitLab repository (link): *your link here*

Submission Commit SHA: *last commit ID here*

Loom Rapid Fire Video (Link): *your link here*

| Sr No | Question | Self-Declaration (Completed/Not Completed/ Partial Completed) |
|-------|------------------------------|--|
| 1 | Assignment submission on git | |
| 2 | Assignment Solution Video | |

End of Submission Template-----

2. Click on **Add Submission** Button to Start submission
3. Copy the Contents between **Start of Submission Template & End of Submission Template** & Paste in **"Online text"** area. Click on **"Save Changes"** button to save your submission in Draft.
4. click on **"Submit Assignment"**.
5. You need to accept & confirm the declaration that the assignment work is your work only. Click on **"Continue"** for Final Submission.
6. After final submission, following page will appear.
7. Your assignment MUST show a status as **"Submitted for Grading"** before it will be graded by evaluator.
8. If your submission shows status as **"Draft (not submitted)"**, it will not be assessed.