

## Final Lab Project

Read the instructions carefully before starting your project

1. The project assigned to each group will not be changed.
2. Each group consists of 3 to 4 members.
3. The group leader task is to assign work to each member and if any student is not working on the project, he/she will inform the instructor.
4. The last date for the submission of the final report is 10<sup>th</sup> June, 2024.
5. Late submission is not allowed.
6. Your report should consist of the brief introduction of the application that you will develop, the tool you will use, the java techniques implemented in the code (abstraction, polymorphism, inheritance and types and many more) and the code along with the output screenshots.
7. Along with the report, you are also advised to submit the code files zip folder on Google Classroom before the deadline i-e., 10<sup>th</sup> June 2024.
8. Your report and code will be checked through Turnitin, if plagiarism found, marks will be deducted.
9. If any student name is not present in the list, kindly mention your name along with your group members.

Project Title	Details	Group Members
Simple & Scientific Calculator	Simple Calculator that performs Addition, Subtraction, Multiplication, Division, and calculating the trigonometric ratios: Sin, Cos, Tan and their inverse.	Syed Ali Konain, Mudassir Umair Yousaf
Create an ATM interface	Develop the interface of an ATM such that someone would enter their card number and their PIN. Add everything that they would do, such as withdraw money, deposit money, or just check their balance. It may seem strange, but this is everything you need to develop any GUI, whether it's a video game or an email application.	Aliyan Ayub Sardar Waleed Hasnat Ibrahim
Create a Currency Converter.	A currency converter just needs three inputs: the amount, the original currency, and the currency you're trying to convert to. From there, everything is in the back-end. (You'll have to write the conversion rates on your own.)	Jabran Shaukat Hussain Ahmed Abdul Ahad
Create a digital clock	Create a digital clock that doesn't just tell the time but changes as time progresses. You'll just need to use Java's time-based functions	Masooma Zahra Momina Mobeen Eisha Zainab
Develop an airline reservation system	You will need to be able to book passengers on specific flights. You will also need to add specific flights. As the "booking agent," you should be able to search for flights to put passengers on, and you should receive an alert when the flight is "full."	Mariam Majid Aymel Aqsa Nasir
Develop a movie recommendation system	A movie recommendation system will store information about movies and recommend a movie to you based on the type of movie that you like. You can ask it for a comedy, a horror, or anything else that you program in, and	Uzair Huzaifa Israr Umer Farooq

	the system will randomize an answer based on your preferences.	
Online Quiz System	Build an online platform for conducting quizzes on various subjects. Include features for creating quizzes, taking quizzes, displaying scores, and providing feedback.	Zeeshan Hamza Maqsood
Student Information System	Create a system to manage student information for a school or university. Include features like student registration, course enrollment, grades management, and generating academic transcripts.	Iqra Sadaf Memoona



The End