

**Sukkur IBA University**  
**Department of Computer Science**  
**Object Oriented Programming**  
**Course Project**  
**Brief, Assessment and Deadlines**

**Brief:**

The course project carries a weight of 10% of overall course grading. Your project score would be graded on idea (5%) and implementation (5%).

So far, we have covered basics of Java Programming language. You might need to study GUI and JDBC in advance to propose some idea for the project. You are strongly encouraged to do advance reading of the topics that you think would be required for project idea and implementation.

**What we expect in project?**

Any small desktop application. Just look for basic ideas which solve small problems in real world. It could be a gaming application, some applications backed by database, anything that fascinates you. Remember, you should not aim too high, your knowledge at this stage is limited so our expectations are not sky high, we just want you to practice your programming skills to code some desktop application that solves some real world, small scale problem.

Once you have an idea, please write it on 3-4 pages long idea proposal document that includes but not limited to,

1. Introduction
2. Problem Statement
3. Project Goals and Objectives
4. Proposed Methodology
5. Major Outcomes
6. Project Timeline
7. Conclusion

The idea proposal submission deadline is **December 24, 2021**.

**Project Idea Submission Guidelines:**

- Project development is a group assignment, two members per group
- Class teacher has already created your groups, please check who you are working with
- Do multiple virtual/face-to-face meetings with your group partner to discuss the idea
- Once you both agree on the idea, start writing it
- Finally, record a 5 minutes video that explains your idea

- On or before December 24, submit proposal idea document and 5-mins video explaining your idea
- Only one group member will submit the video and report on the link provided on elearning, please decide among yourselves who is going to submit it. No duplicate submission please
- Must write your names and CMS IDs in the report which must be submitted in PDF format. No MS Word document please
- Remember, it is mandatory for both the group members to participate in the video recording

### **Project Final Submission Guidelines:**

- Once you have submitted your idea, start implementing it in coordination with your group members
- In case your group member has withdrawn from the course, please inform the Instructor, we will arrange alternate member for you or allow you to work alone.
- Project final submission deadline is **February 8, 2022**. Following items are expected in the final submission on elearning platform,
  - Project code in zip folder having all the java and class files
  - Final report (with all sections same as idea document in addition to discussion about project implementation which should include screenshots of your project execution. You do not need to write full code in the report. The report must not exceed 10 pages)
  - Video file explaining your project. The video must not exceed 10 minutes and must explain execution of your project along with idea, implementation and problems faced

Please carefully read both the rubrics and see how you will be assessed and act accordingly.

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Project Idea Assessment (Total Score =5% of the course)				
Course	Object Oriented Programming	Class	BS (CS/SE) II	
Course Instructor	Sher Muhammad Daudpota and Sana Fatima	Scholar Name		
Aspect	Needs improvement=0-2	Approaching Expectations=3-6	Meet Expectations=7-10	Total Score 10
Report Part (2.5% of the course)				
Introduction	No included	Included but could not build properly the project idea	Included and properly elaborates the project idea	
Problem Statement	Not included	Included but problem statement does not properly justify the issue	Include and properly justified the problem area	
Methodology	No discusion about methodology	The student has rightly identified the methodology for implementing the idea but there are few missing links	Methodology defined completely and explains well the future roadmap	
Major Outcomes	Project outcomes are not defined	Limited project outcomes identified	Project outcomes identified properly in line with project idea	
Project timeline	Not included	Included but needs improvement	Proper project timeline is included	
Conclusion	No conclusion included	Conclusion is written but not properly drawn	Proper conclusion written	
Presentation (Video) Part (2.5% of the course)				
Opening	No greeting at the start	Started with greeting but could not introduce the idea properly	Started with greeting and idea started well	
Material	Many aspects of project idea missed	some aspects of project idea missed	All aspects present in the proposal and expected by the intructor were presented well	
Language	Urdu/ Sindhi	English but mixed with Urdu	Correct English	
Time management	Took too long or too short to finish presentation	difference of +-2 minutes of allcoated time	Perfect, only 5 minutes were used to explain the idea in video	
Total Score Obtained by the Scholar				
Note: Instructor/scholar to tick appropriate block		Date of Evaluation		
Comments:				
Total Score		Signature		

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Course Instructor	Sher Muhammad Daudpota and Sana Fatima	Scholar Name		
Aspect	Needs improvement=0-2	Approaching Expectations=3-6	Meet Expectations=7-10	Total Score 10
<b>Report Part (2.5% of the course)</b>				
Introduction	No included	Included but could not build properly based the project idea already submitted	Included and properly elaborated based on the project idea already submitted	
Problem Statement	Not included	Included but problem statement does not properly justify the issue	Included and properly justified the problem area	
Methodology	No discusison about methodology	The student has rightly identified the methodology but it deviates from idea submission methodology already reported	The student is clear about the implementation methodology and explained it well	
Major Outcomes	Project outcomes are not defined	Limited project outcomes defined and achieved, these are not the same as discussed in project idea submission	Project outcomes identified properly in line with project idea and achieved all the outcomes	
Project Implementation	The idea could not be implemented	The idea is implemented but many aspects are missing	The idea is implemented as claimed in the project proposal	
Conclusion	No conclusion included	Conclusion is written but not properly drawn	Proper conclusion written	
<b>Presentation (Video) Part (2.5% of the course)</b>				
Opening	No greeting at the start	Started with greeting but could not introduce the project properly	Started with greeting and introduced the project well	
Material	Many aspects of project idea missed which were presented during idea presentation	some aspects of project idea missed	All aspects present in the proposal and expected by the instructor were presented well	
Language	Urdu/ Sindhi	English but mixed with Urdu	Correct English	
Project Demo	Not presented	Presented with partial implementation	Presented with proper implementation	
Time management	Took too long or too short to finish presentation	difference of +-2 of allcoated time	Perfect, only 10 minutes were used to explain the idea	
<b>Total Score Obtained by the Scholar</b>				
Note: Instructor/scholar to tick appropriate block		Date of Evaluation		
Comments:				
Total Score		Signature		