



Department of Statistics & Computer Science
University of Kelaniya
ACADEMIC YEAR - 2021/2022
COSC 31112 – Visual Programming
Group Project

PROJECT SPECIFICATION

Deliverables

- | |
|---|
| <ol style="list-style-type: none">1. Project Proposal - 20%2. Project Report and Application – 80% |
|---|

Dates

Date Issued to Students 22 nd August 2023	Submission Date Project Proposal – 31 st of August 2023 Final Report & Application – 25 th September 2023
Submission Upload the project proposal, report and all the resources of the Application to the eKel	Submission Time HardCopy : 4.00 p.m. SoftCopy : 11.59 p.m.

This assignment is a group-work project. You are assigned to a group of four students. The link to the group allocation google sheet has been uploaded to eKel. Please fill your project title in the google sheet. You will need to consult your lecturer as soon as possible if you have any difficulty in your group. You need to select a group leader for this assignment. **Please note that all group members should equally contribute to the project.**

The individual mark of each member in the group is **fully dependent on his or her contribution to the achievement of group work and his or her individual deliverables.**

Assignment Description:

You are required to develop a windows application with a minimum of four window forms. You can select **any** project title. The same project title cannot be used in two groups. You should develop a complete windows application based on a real world situation using .NET framework, C# programming language, MS SQL Server Management Studio and Visual Studio. You cannot use any frameworks or other tools. In

the final submission, you need to include all the resources you have used with your project in a folder and upload the zip file to the eKel. Marks will be deducted for projects submitted late.

(1) Project Proposal: this constitutes 20% of the total mark.

You need to include the following information in this proposal:

- i. Project name
- ii. Objectives of the website.
- iii. Brief outline of the proposed application.
- iv. Tools to be used in the design and development of the application.
- v. Initial plan / Work allocation table to show who is working on what.
- vi. Details of group members including contact details.

Note: Things included in your project proposal do not need to be the final application because, as a proposal, we need an initial plan for your application. You can change anything about the design during your development instead of the topic.

Submit the hard copy of the project proposal to the department.

(2) Project Report and Website: this constitutes 80% of the total mark. Group members are required to submit the followings:

- i. A hardcopy of the final report.
- ii. Please make the final report highly readable and structured. It may be a good reminder to pay attention to the following in your document.
 - a. Table of contents.
 - b. Introduction
 - c. Section numbering.
 - d. Pagination.
 - e. Citations and bibliography section.
- iii. The following contents should be included in the final report.
 - a. Introduction
 - b. Problem Identification
 - c. Objectives
 - d. Functional and Non-functional requirements of the application
 - e. Design of the application/System (Use case diagram, Class diagram, Sequence diagram, ER diagram, Database Structure)
 - f. Design of each form in the website.
 - g. Implementation. You can provide code segments and screenshots.
 - h. Tools used in the design and development of the application.
 - i. Initial plan vs. actual plan

- j. Work contribution table to show who worked on what vs. initial work allocation table.
(Describe the individual work contribution and problems faced in the project and lessons learned)
- k. Future enhancements of the project.
- l. Details of group members including contact details.