

# Project

## Milestone 1:

Mr Bob has been running an art shop since 2016. His business approach is that any artist can become a member by registering in the shop. He has to register them manually, capturing details such as Surname and Name, the name of the artwork, the category of the work, size of the work, number of pieces and expected price etc. Each registered member can place their artwork (painting) in the shop for 10 months. They have to pay the rent to Mr Bob to keep their work in the shop. Rent is on a daily basis. If he sells any item he gets a 25% commission of selling price. Rent rate is according to the size of the art.

Rent chart is given below:

Picture Category	Size	Per day rate in rand
Oil painting, Watercolour painting, Pastel painting, Acrylic Painting and Charcoal painting	10 x 41 cm	R 25
	29.7 x 42 cm	R 50
	38 x 92 cm	R 75

He has to capture the sold items with relevant details manually. Mr Bob is tired of this manual process. Hence he decided to automate his shop with some more features. He, therefore, approached the company "SoftwareTech solution" to develop an application for this Art Shop. The company appointed you as a developer to develop an application. As a software developer, first you have to study the existing system and find out the problems with the manual system, including other problems not referred to above. You have to write a report regarding your study along with the solutions. Write a report with the following guideline:

- Explain the problems identified during the analysis in detail.
- How do you want to solve this problem?
- The solution in detail along with justifications: What are the functional areas? Who will be the users of the system? How does the system work? What are the additional features?

**Note:** Mark will be awarded for report formation.

### Marking Rubric:

Description	Out Of
Identifying problems during the analysis in detail	10
Proposal to solve identified problems	7
Solutions in detail along with justifications	10
Identifying functional areas of solution	5
Identifying the users of the system	5
Detailed explanation of how the system will work	10

What are the additional features	3
<b>Total</b>	<b>50</b>

**Total: 50 Marks – Due date will be advised by your lecturer**

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## Milestone 2

Planning is part of project development. In milestone 2 you are requested to create a report to show the major process workflow and the logic of the system with the aid of flowcharts and pseudocode algorithms. Use your milestone 1 as a guideline. You can have more than one flowchart for different parts of the systems (if any).

**Note:** Mark will be awarded for report formation.

**Total: 50 Marks – Due date will be advised by your lecturer**

**Marking Rubric:**

Description	Out Of
Flowchart	25
Pseudocode	25
<b>Total</b>	<b>50</b>

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## Additional Information

- This will be a group assignment [**Not more than 3 persons per group**]
- Belgium Campus uses software that can **scan for plagiarism** and a student caught doing this will get 0 for this assignment.
- Late assignments will not be accepted; missing the deadline is an automatic 0.