

GD2P02 - Physics Programming

Exercises - Second Set

Component Code and Name	GD2P02 Physics Programming
Assessment Name	Exercises - Second Set
Weighting	15%
Submission Deadline	Week 15
Week of Issue	Week 9

Brief

Complete the physics exercises that are delivered each week. Each exercise will cover important physics concepts, and will be rendered using SFML.

There are **three** exercises in this set.

Each exercise may consist of multiple sub-exercises, for example **Exercise 002.1**, **Exercise 002.2** and so on. These sub-exercises should be separated out into different projects within a single solution file, with separate release builds.

Not all weeks will have an associated exercise.

Resources














A basic SFML based project has been provided. This project has the necessary SFML dll files in the Release and Debug folders, and has the **include** and **lib** folders included at the solution level.

When creating projects for each sub-exercise, duplicate the SFMLProject1 folder and rename it, and rename the .vcxproj file within. Then, within Visual Studio, right click the solution and Add -> Existing Project. This will maintain the SFML includes in your new project.

Submission Requirements

- **Exercise Folder** (Four folders, one for each exercise):
 - **Solution file** (.sln)
 - **Release folder**
 - Containing all Release builds and required .dll files.
 - A readme file giving instructions for each build. The readme should also say which sub-exercises were completed/partially completed.
 - **Debug folder**
 - Containing required debug .dll files.
 - **Include folder** (for SFML)
 - **Lib folder** (for SFML)
 - **Project folders** (One for each sub-exercise):
 - **Project file** (.vcxproj)
 - **Source files** (.cpp, .h)
 - Intermediate files should be removed.

Naming Requirements

-  **GD2P02 - Exercise Set 2 - Student Name**
 -  **Exercise 1**
 -  Exercise1.sln
 -  **Release**
 - Ex1_1.exe
 -  readme.txt
 -  **Debug**
 -  **Include**
 -  **Lib**
 -  **Ex1.1**
 -  Ex1_1.vcxproj
 -  Cpp, h files
 -  **Exercise 2**
 - ...Subfolders, files etc
 -  **Exercise 3**
 - ...Subfolders, files etc

Marking Criteria

Each exercise is worth **one third** (5%) of the total weighting (15%).

Each sub-exercise is worth an equal portion of its associated exercise. For example, if an exercise has two sub-exercises, each will be worth half of the exercise to make up the full 5%. If an exercise only has one sub-exercise, that sub-exercise is worth 5%.

For each sub-exercise, full marks are given for completion

For each sub-exercise, half marks are given for partial completion.