

Dear students,

This document describes requirements for II GUI's project in 2020. Rules are most the same like in project I. If you have any questions, let me know via Microsoft Teams.

Project ideas

1. Application for invoices
 - a. The program allows users to create an invoice. You can check how it looks like i.e. searching for a term "VAT invoice".
 - b. The program allows user to save a recipe as a file with extensions *.invoice*¹.
 - c. The program allows user to load a recipe from a file with extensions *.invoice*.
 - d. The program calculates all possible values automatically (i.e. taxes).
 - e. The program checks for validating input. Case: user is not allowed to put negative value as an amount.
2. Application for storehouse
 - a. The Program contains an editable table with all items stored in storehouse
 - b. User can manipulate items categories
 - c. All data should be automatically saved in a file
 - d. When the program starts, it reads all data from a file
3. Cinema kiosk
 - a. The program displays a seats diagram
 - b. User can select a seat and then he/she fill a form to complete buying a ticket
 - c. The program disallows to close without special password
 - d. All data should be editable after passing a password
 - e. State of seats should be loaded / saved into a file

Scoring

ID	Name	Score change
0	It doesn't compile.	0 points for project
1	Application has a stable window (it's not closing instantly)	+0.5
2	Application displays scene: visible objects, environment, user interface.	+0.5
3	Application allows to interact with.	+0.5
4	Application contains interactions with components	+1.0
5	Program does its job	+2.0
6	Program is written with good practices	+1.0
7	Program allows to read and write from a file	+1
8	Creativity	+2

Best regards,
Łukasz Leśniewski

¹ There is no such extension. You should create own structure.