

- I. (5 points) Create a console application that will implement flashcards for Polish, English and German language using the knowledge from lecture no. 2.

Use, among others: Dependency Injection, Dependency Inversion Principle, IoC Container, profiles, configuration classes and properties.

Create classes:

- `Entry` - each object will represent a translation of one word
- `EntryRepository` - this will be a repository of `Entry` class objects
- `FileService` - class responsible for reading and preparing objects of the `Entry` class and adding them to the `EntryRepository`
- `FlashcardsApp` - the main application class with the main method
- `FlashcardsController` - class responsible for the application's business logic and communication with the user.

Create a console menu that will allow you to:

- add a new word to the dictionary
- display all words from the dictionary in a human-readable way
- make a test where the user receives a random word from the dictionary and must enter its correct translation into two other languages (character case cannot be important when performing the test)

Take into account the following requirements:

- add an additional class/classes based on the profile mechanism so that, depending on the profile:
 - words were displayed as they were originally saved in the csv file
 - words were displayed on the console in CAPITAL LETTERS
 - words were displayed on the console in lowercase letters
- the configuration file must be in YAML format
- modify the application banner to display the logo-app file (the file has no extension)
- the name of the file used in the application should be specified using an external property called `pl.edu.pja.tpo02.filename`

Draw a diagram of the class hierarchy and dependencies.

Send the solution (project workspace) as a ZIP archive called *sXXXXX-TPO02.zip*, where *sXXXXX* is your index number.

Send the diagram of the class hierarchy as a JPG file called *sXXXXX-TPO02.jpg*, where *sXXXXX* is your index number.

Make a short (max. 5 minutes) video presentation of your solution and send it as a MP4 file called *sXXXXX-TPO02.mp4*, where *sXXXXX* is your index number.