CMPE 331: Software Engineering Concepts
Worksheet 4

Istanbul Bilgi University

Fall 2022

Duration: 1 hour

RULES

- This is a paired study; both pairs must attend the session. During the session, pairs must actively discuss the given problem. In absence of one member, the submission will not be evaluated.

- Late submissions will not be accepted. Submission system will be closed after deadline. Submissions via e-mail will not be accepted.

SUBMISSION

- Write your full names and IDs at the beginning of the files. Do not remove any information from the previous stages.

```
1   """
2       Stage: Development-01
3       @author: Ada Lovelace, 1111111
4       @author: Charles Babbage, 2222222
5
6       Stage: Development-02
7       @author: Kurt Godel, 3333333
8       @author: Alan Turing, 4444444
9
10      Stage: Code Review
11      @author: Donald Knuth, 5555555
12      @author: Grace Hopper, 6666666
13  """
```

- In Learn, submit (1) your source file (either `.py` or `.java`), (2) screenshot of your Trello card and (3) screenshot of your GitHub pull request.

CODING STANDARDS

- Written codes must align with coding standards. For Python (PEP-8)[1], for Java[2].

- Additionally, one function cannot be longer than 15-lines of code unless the reason is justified with comments.

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[1] https://peps.python.org/pep-0008/
[2] https://www.cs.bu.edu/courses/cs112/problem_sets/coding_standards.html

QUESTIONS

Select one of the fields given below for developing your project

- Supermarket,

- Library,

- E-Commerce,

- Internet Forum,

- Project Management Tool

1. (50 points) Design a login page according to the field you selected. Use the shared templates and modify them to require information from the users. You can freely select which language you want to develop.

2. (50 points) Accept the user and open a new blank page if the given information is correct. The page opened after the login will be developed in the further worksheets. You can use a custom username and password for the demo.

Note:

- In case of **PLAGIARISM**, both of the pairs will be penalized.

- You **MUST** create the Trello card and GitHub repository according to your group. Do not forget to upload the screenshot proofs of your card and repository.

- Do **NOT** delete your repository until the end of the semester. The ones who remove their repository will get 0.

- Write your codes aligning with the **coding standards** of the selected language.