QUIZ 0

Issue Date : 14.03.2023 - Tuesday
Recitation Date : 17.03.2023 - Friday (14:00) (will be held on Zoom)
Due Date : 18.03.2022 - Saturday (23:59:59)
Advisor : R.A. Görkem AKYILDIZ

1 Introduction

In this quiz, you are expected to gain practice on coding in Java, using department's developer server and submit system.

2 How to code in Java

As opposed to Python, you have to create a class (more than one in usual) and one main function in Java in order to execute your program. You can use either IDEs like IntelliJ, Eclipse etc., or you can use a simple notepad (which is not suggested). Whenever you want to create a new Java program, you have to create a class as main class (which is a must), and you can create any other classes if you need any. At main class, you have to implement method namely Main, which gets executed whenever your code is attempted to run. You can think main function as the part except functions at the Python. You write everything that runs at there, but keep in mind that you have to make main function as clean as possible, you have to call other classes and methods (functions in Java) for operating, and please avoid repetition of code.

3 Department's Developer Server

As most of you know, we have a developer server at our department which is dev for short. At this server, you can test your code before and after submitting it, so that you can be ensure about that if some wants to grade your homework, he/she will get the same result as you get. So, it is crucial to test your work before and after submitting it. Just pull it back from submit system and try it again at server. You can find details about how to connect to developer server at the post that has been shared at Piazza.
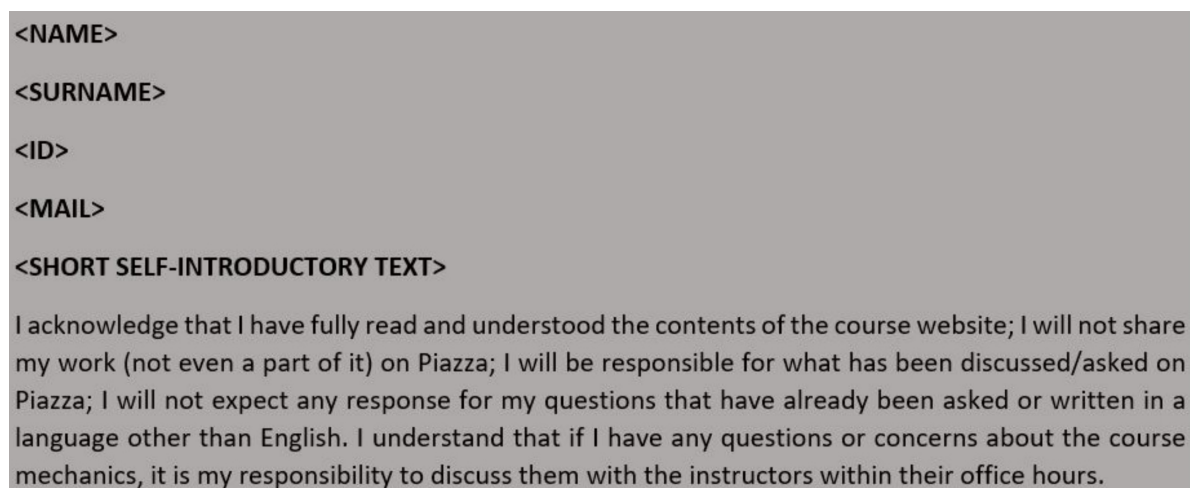
4 Department's Submit System

As opposed to GitHub, our department's submit system is more like upload system at hadi (Hacettepe University Digital Learning Platform, formerly evdekal). When you go to submit.cs.hacettepe.edu.tr, after you login, you can simply see the works that has been assigned to you, and you can see the deadlines at there too. Unfortunately, you cannot delete anything that you have uploaded, but you can reupload the updated version of your work. Only the latest upload of yours will be considered. Note that there are two major limitations of this system. One of them is, you cannot upload anything larger than 8 MB, the other one is you cannot upload the same file, even if you change the filename, so, if you uploaded your work with a wrong name, please zip your work again and name it as it is requested, if you still getting error, please simply add a space to somewhere irrelevant to your code (for example

add a space character to the end of your code) and reupload it. All your work has to be uploaded in zip format (preferably with no compression for the sake of compatibility). For this homework, it is important to get one point from submit. For MacOS users, if you are suffering from any irrelevant files that MacOS created, simply try the following command for zipping your work. You have to navigate to the folder that your work is at first (and this folder must only contain your work related to homework). Then apply following command via terminal: `zip −0 −r b<studentID>.zip . −x **/.DS_Store .DS_Store` where <studentID> is your Student ID. So, if your Student ID is 2220356000, then the command must be as follows. `zip −0 −r b2220356000.zip . −x **/.DS_Store .DS_Store` Note that, you have to zip your work directly, without any wrapper folder (except src).

5 Report

For your report, prepare a cover page and a page that contains following information of yours. Do not forget to use justify (iki yana yasla) for contents of your report (excluding cover page) while you are preparing your report.

<NAME>

<SURNAME>

<ID>

<MAIL>

<SHORT SELF-INTRODUCTORY TEXT>

I acknowledge that I have fully read and understood the contents of the course website; I will not share my work (not even a part of it) on Piazza; I will be responsible for what has been discussed/asked on Piazza; I will not expect any response for my questions that have already been asked or written in a language other than English. I understand that if I have any questions or concerns about the course mechanics, it is my responsibility to discuss them with the instructors within their office hours.

Figure 1: Requested Information.

6 Guideline

- Firstly, you have to prepare (and test) the wanted code and report.

- Then **zip** them with **no compression**.

- Upload it to the submit system and test it at department's developer server by following the following steps:

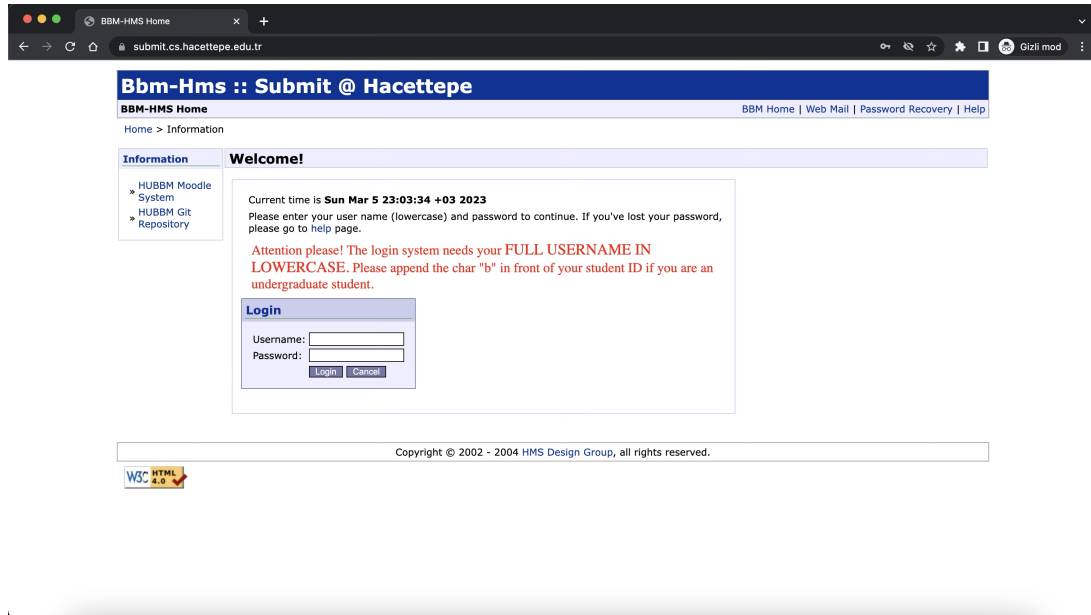- Login to the system with your cs username and password.

Figure 2: Login Screen of Department's Submit System
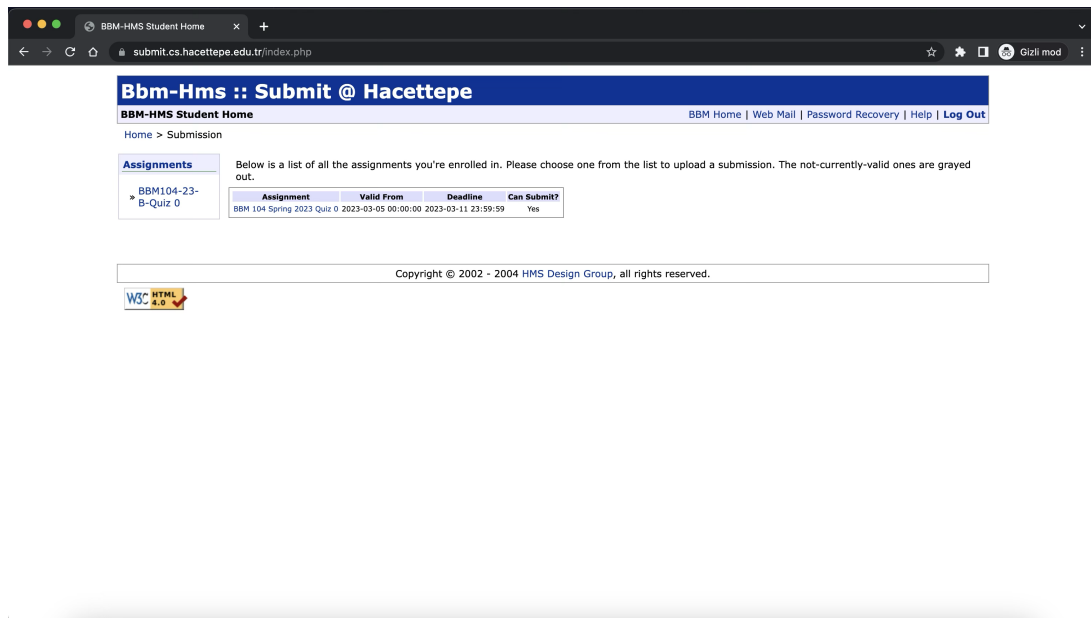
- Select this quiz from the list below.

Figure 3: Homepage of Department's Submit System

- Click to the select file ("dosya seç" in screenshot) and select the zip file that you prepared.
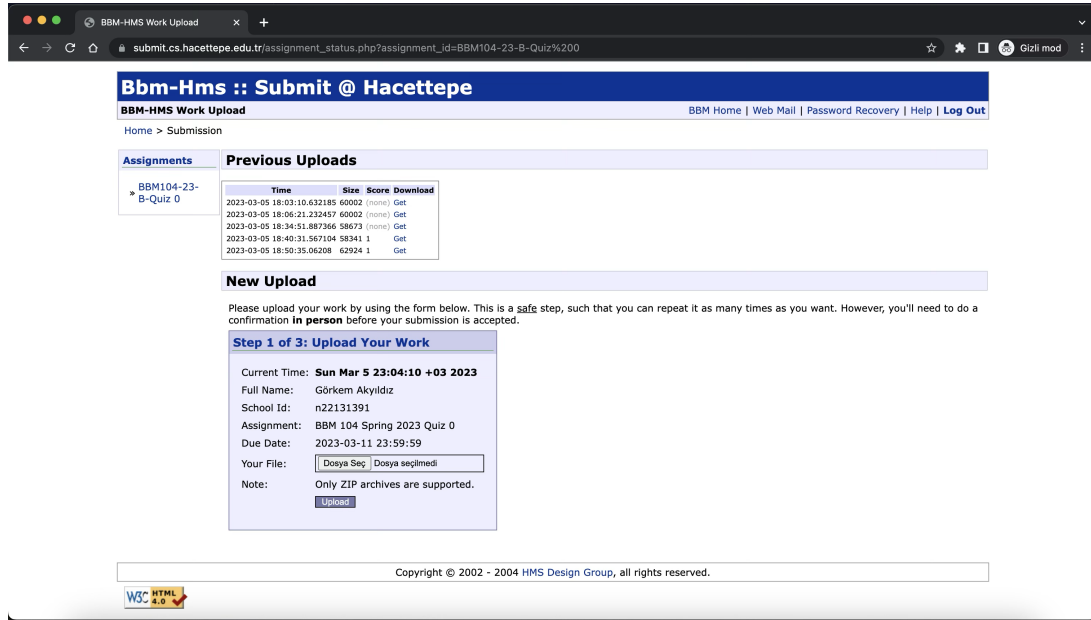

Figure 4: Submit Page for Selected Assignment

- After you upload the zip file, you should see the following screen. Please check that if you get 1 Points as at the screenshot. Note that you do not have to concern about Step 3 of 3, you can simply ignore it.
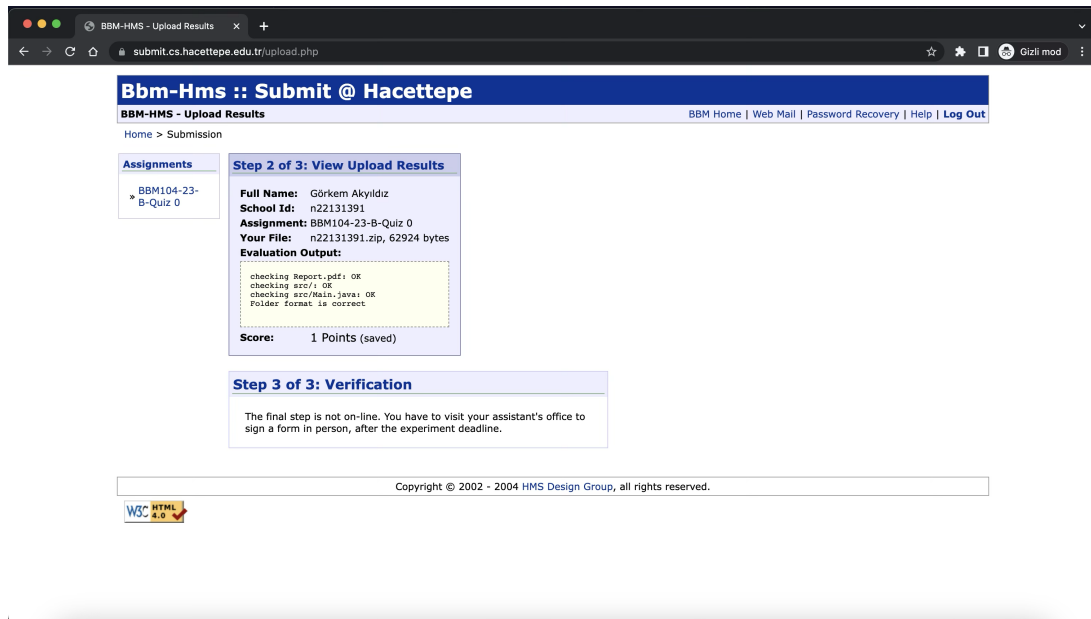

Figure 5: Result of the submit.

- Please navigate to the submission page again, you can see your submissions, they are sorted with respect to time with ascending order, so the one at the bottom is the one that you submitted last (which will be considered while evaluating your work). You can simply download your work via get button next to the last submission, and also you can see the scores of your submissions (Note that, even if you get 1 point for your previous submissions, as they will be not evaluated, it is important to get 1 from your latest work, the others will not be considered).
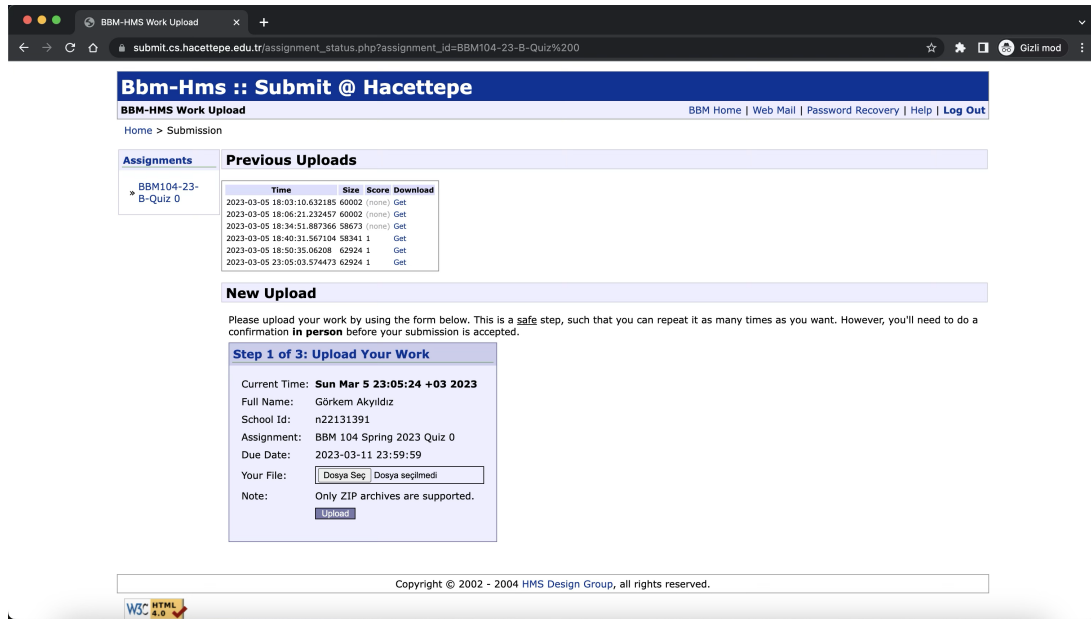

Figure 6: Submit Page for Assignment. (after submitting)

- After you download your work, put it into your storage at department's developer server, and check it via following commands. If you are getting the same result as following screenshot, you have nothing to do extra about coding part.

Figure 7: Commands and Results at Department's Developer Server.

7 Restrictions

- Your code must be able to compiled and executed on our department's developer server (dev.cs.hacettepe.edu.tr).

- You have to obey given submit hierarchy and get score (1 point) from the submit system.

- You can benefit from Internet sources for inspiration but do not use any code that does not belong to you.

- You can discuss high-level (design) problems with your friends but do not share any code or implementation with anybody.

- Do not miss the submission deadline, there will be no extensions.

- Any submissions except submit.cs.hacettepe.edu.tr will not be accepted (except if submit system down, please inform us if submit system is down)!

- You can ask your questions through course's piazza group, and you are supposed to be aware of everything discussed in the piazza group. General discussion of the problem is allowed, but **DO NOT SHARE** answers, algorithms, source codes and reports.

8 Execution and Test

Your code must be compiled and executed under **Java 8** and dev.cs.hacettepe.edu.tr. If your code will not be compiled and executed under developer server, then you will be graded as 0 for code part even if it works on your own machine.

9 Grading

Task	Point
Correct Hierarchy (Getting full credit (1) from submit)	40
Code Runs on dev.cs.hacettepe.edu.tr	40
Report	20*
Total	100

* The score of your report will be multiplied by your overall score (excluding report) divided by the maximum score that can be taken from these parts. Say that you got 40 from all parts excluding report and 20 from report, your score for report is going to be 20*(40/80) which is 10 and your overall score will be 50.

10 Submit Format

File hierarchy must be zipped before submitted (Not .rar, only not compressed .zip files because the system just supports .zip files).

```
– b<studentid>.zip
    – Report.pdf
    – <src>
       – Main.java
```