מסמך יזום

שם פרויקט: VPL- **Virtual Programming Languages**

תז	שם מלא (כמו במודל)	הא האם ראש צוות (0/1)
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מטרת הפרויקט:

To upgrade the existing VPL plugin for moodle, so it will be adapted to the way the students at the university submit assignments in the variety of programing courses in the first and second year in computer science degree .
In each of the courses, it will be possible for the Practitioners to upload the assignments easily using the VPL system and review the student's submission. For the students it will be possible to submit and review their codes and grade. In addition we will add the option to submit the solution via Github url.

למי מיועדת המערכת:

Both for Students, Practitioners and Lecturers.

הרשאות:

Students:

- Will be able to test their code on the moodle directly before submitting.
- Review their assignment submission.
- Get a grade for their solution.

Practitioners/Lecturers/ assignment checkers:

- Review the student's submission, and the proposed grade that was given by the VPL evaluator, and submit the final grade for the student.
- Run and evaluate the student's code on moodle directly.
- Editing the assignments and the tests, as well as the VPL's execution files.

תיאור קצר של המערכת המוצעת (תהליכים משמעותיים):

• The Practitioners will add new assignment to the moodle with VPL option (not the regular assignment like they did so far).

• We will write few scripts that will run before the defaults current scripts of VPL (execution files that run and evaluate the code).

• In an option of submitting the solution by github url, one script will pull the student's repository from github, and the other will pull the update test of github's course.

 • The students will have an option to test their code and get a proposed grade, according to the update test.

• The Practitioners will have an option to view the proposed grade that was given by the VPL system while evaluate the code, and give the final grade considering the proposed grade and the other properties (such as late submission etc.)

בעיות אפשריות:

- Have minimal to no knowledge of VPL plugin. We plan to study using google, docs and VPL's written/video tutorials, as well as the VPL's open-source code and moodle's forum.
- The course and time schedule differences for each of the team members. We will try to synchronize between us, and use zoom meeting whenever necessary, as well as divide the work between the team members.