

COMP0015 Coursework Deliverable Part 1 report

Group V

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This is the report of the coursework deliverable 1: 'Main Menu' and 'Create a project' of the Faire Grade Allocator application, by group V.

Our project needs a PyMySQL installation, but we have already done it in our workspace so you can run the file COMP_projectv1.7.py directly. We have double checked that it can work properly, so if you have any problem of running our code, please contact us at: zcahzi2@ucl.ac.uk

The python style guide we are using is PEP8, and we use Epytext markup for the comments.

We have only one file called COMP_projectv1.7.py, which contains all the code we made for deliverable 1. The code to call main menu starts from line 38: `'def main_menu():'`.

We use MySQL to store the data of projects entered. So that you can create more than one project in our split-it app and the data will not be lost. In `'show_project'` function, you can get the data from database with the form of DataFrame (A form can be used to process data in later deliverable) and print it out.

To test our app, we tried White-box Testing. We input different options, numbers and cases for many times, in order to cover all possible execution paths in the program: cover each statement or decision at least once, and take all possible values of each condition of the judgments. Both of us tested the code on our laptops and on Codio, to make sure it can work normally without bugs.

For this project, both of us made great effort on it. We finished our work successfully under our cooperation. In addition, we are going to build a graphic user interface (GUI) in future deliverables, but we fail to install PySide2 on Codio so the file uploaded do not contain this part. But we can do this quite well on our laptop, and here are the screenshots of it.

