Project Meeting Notes

Project Meeting Notes (5% of your module mark) must be submitted using MS Forms only. In order to get a 5% mark for your meetings, you must submit 10 approved meeting notes. The weighting is proportional. The submission deadline is 7/5/21 at 12:00 (noon).
Remember to tick "Send me an email receipt of my responses" at the end of this page to receive a confirmation email. Please note that you need to forward the "confirmation email" to your supervisor in order to validate this submission.

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1. Student Name: *

Lampros Karseras

2. P-number: *

P2424629

3. Project Title: *

Automatic Testing Generator

4. Supervisor: *

Dr. David Smallwood

5. Objectives for Period (max 100 words): *

- Start creating GitHub tickets for different functionalities
- Research PyCharm plugin API and requirements. Create a mock plugin for testing.
- Start the practical part of the project and code some basic functionalities.
- Continue researching about the theoretical part of the development project and start the literature review.

6. Summary of Progress for Period (max 100 words): *

Created most of the headline tickets in GitHub, which gives an overview of the work needed to be done.
Started the implementation of the automatic test generator using a very simple mock application.
Continued researching the Software Testing literature. I have found a lot of case studies and

7. Problem Areas and Suggested Solutions (max 100 words): *

After researching the PyCharm plugin API, I concluded that it won't be able to use it for creating the automatic test generator. This is because it uses a different programming language (Kotlin) instead of Python, and since my software will analyse and produce tests against Python code, it seems counter-productive to develop it in a different language.

After discussing it with Dr. Smallwood, we decided to not develop a plugin for the ATG, instead it will remain a standalone application with a GUI/terminal UI.

8. Objectives, Deliverables & Plan for Next Period (max 100 words): *

- Decide upon the meta language for expressing the partitions etc.
- Work out how to process the meta language
- Study pairwise testing as a potential solution to the combinatorial explosion
- List the requirements (number them)
- Code demo

9. Student Signature: *

Please modify this text and put it in the box below.

I, Student's First name and Last name, confirm that the information given in this form is true, complete and accurate.

Lampros Karseras

10. Comments (if any, max. 200 words):

Enter your answer

11. Date of the Meeting: *

11/17/2020

12. Date of Next Review: *

12/1/2020