

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.

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): *

- 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

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

I have decided to use the YAML structured language for my meta language. It is like JSON and have great support from libraries. A config.yml will include the necessary arguments for the automatic test generator to develop tests against a python code. A custom parser will read the YAML file and provide the config to ATG.

I have research Pairwise, or generally n-wise, testing to combat the combinatorial explosion

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

Pairwise implementation turned out to be more difficult than first anticipated. I will need to further research the technique, and most importantly, need to learn some advance Python to tackle this problem, since it needs to use depth first search for trees and storage and validation on nodes objects.

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

- Documentation
- Test Cases examples
- Literature Review structure.
- 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: *

12/1/2020



12. Date of Next Review: *

1/8/2021



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