



# Testing

Detailed Assessment Info

Last Update: 18/05/2021

Ver: 3.1

## Learning Outcomes

1. Create and develop the required artifacts during each phase of the software engineering process;
2. Differentiate and evaluate the software engineering techniques used to produce the artifacts;
3. Employ group working skills in solving software development problems;

## Assessment Task

**Assessment topic:**

White-box (Glass-box) Testing

**Assessment type:** Group assignment

**Assessment tasks:**

You will perform manual white-box testing in this assignment.

### Task 1: Write the test-cases

Produce test cases for white-box testing to test **create a conference as a chair**. You only need to test the attributes provided below and include the following specifications in the testing. However, you should test these attributes exclusively.

- Name: can not be empty and must be a string
- Title: can not be empty and must be a string
- Topics: can not be empty, must be a string and must be selected from the available list of topics in the software
- Paper submission due date (PSDD): can not be empty, must be in the future and of Australian date format (DD/MM/YYYY), for example: 18/10/2020
- Paper review due date (PRDD): can not be empty, must be in the future and of Australian date format (DD/MM/YYYY), for example: 18/10/2020
- List of papers submitted: must be one of the types of list and can have 0 object of papers in the list at the beginning.

You do not need to include the other attributes in the test cases. You would have to enter the valid values for the other attributes that are not mentioned above, please make sure the failure of any test case is not due to the invalid value(s) entered in other parts of this feature.

When writing the test cases, use a table as shown below. For this task, you leave actual output and test passed/failed columns empty to finish it in the next task.

Test No	Reason for test	Name	Title	Topics	PSDD	PRDD	List of papers submitted	Expected o/p	Actual o/p	Test passed/failed
10023										

### Task 2: Perform white-box testing

With the test cases written in Task 1, perform white-box testing. For each test case, write the "actual output" and mention 'passed' or 'failed' in the "Test passed/failed" column. Provide screenshots showing how you performed the white-box testing for each of the test cases.

Do not worry if your test case fails. In most cases, the software does not pass all the test cases in the first run. You do not need to fix the logic of your program for your failed test.

## Submission requirements

**File 1:** You will submit a PDF document for the assessment task

**File 2:** A signed group cover sheet

Please follow the following naming convention to name your files:

**FIT5136\_Team\_X**, where X is the **team number**

Example:

File 1: FIT5136\_Team\_404.pdf

File 2: FIT5136\_Team\_404\_coversheet.pdf

You can use Adobe Acrobat Word Plugin to improve the image quality while converting if you find your images have been compressed too much.

One member of the team will upload the assignment on Moodle.

## Individual assessment in a group assignment

CATME Peer assessment will be performed to gauge the individual contributions to the group assignments. CATME will be made available after the due date of this assignment. You must complete it only after your team has made the submission on Moodle.

Total marks:

5%

Due date:

Submit by Friday, 28 May 2021, 11:55 PM

## Where to find the marking Guide

You can find the marking guide under the title of this assignment

## Where to find help

The University provides many different kinds of services to help you gain the most from your studies. Further information is available at <http://www.monash.edu/students>.

You can also email role account for any issues related to the team, technical or material:

[fit5136.clayton-x@monash.edu](mailto:fit5136.clayton-x@monash.edu)

However, for any **assessment-related** issues, please contact your mentor or go to their consultation sessions that are made available on Moodle.

## Extensions

Please email us at [fit5136.clayton-x@monash.edu](mailto:fit5136.clayton-x@monash.edu) providing the reason and number of days (maximum 5 days) you are requesting for an extension. After the review of your request, the teaching team will get in touch with you.

## Special Consideration:

For information on applying for special consideration, please visit:

<https://www.monash.edu/exams/changes/special-consideration>

## Late Penalty Statement:

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit lecturer via the in-semester special consideration process: <http://www.monash.edu.au/exams/special-consideration.html>

Late submissions are allowed with a penalty of 10% per day including weekends and public holidays.

Special consideration for group assignments must negotiate with your Lecturer or TA prior to submission of the form.

## Plagiarism and collusion statement

Monash University is committed to upholding standards and academic integrity and honesty. Please take the time to view these links.

Academic Integrity Tutorials:

<https://lms.monash.edu/mod/page/view.php?id=5666695>

Student Academic Integrity Policy

<https://lms.monash.edu/mod/page/view.php?id=5666699>

Test your knowledge, collusion (FIT No Collusion Module)

<https://lms.monash.edu/mod/page/view.php?id=5667198>

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