

COMP311 Assignment 2 - Debugging

Questions for Debugging Assignment

Student Name: _____ Student ID: _____

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Instructions

Work in teams of at most two. Do the class work. Discuss and answer the following questions together.

Marks

This assignment is marked out of 10.

Team

The team (group) can be created of at most two students. Only one is required to post the answers using the associated **A2_Debugging_Questions_Answers.docx** document as a template.

Questions

1. What class is the *driver* for this slice of the application? (0.5)
2. What major part of the application is replaced by a *stub*? Name the class(es) that make up this stub. (0.5)
3. List three defects that you located in the original code, and describe them as you would in a tester's defect report. Describe **where** user is in using the system and what the **user input**. Then state how the **system response** deviated from expected output. (6).
 - a. Where:
User input:
System response:
 - b. Where:
User input:
System response:
 - c. Where:
User input:
System response:
4. Briefly define the term **Step in**, **Step out**, **Step over** and **Breakpoint**: (2)
5. Give the Screenshots for the import of jar file into the java IDE , Debug mode and fix of no error. (1)

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Glossary:

Driver => <https://glossary.istqb.org/en/search/driver>

The screenshot shows the ISTQB Glossary search results for the term 'driver'. The header includes the ISTQB logo, the title 'ISTQB Glossary', the search term 'driver', and navigation links for 'Advanced Options', 'Reports', and 'English'. Below the header, a message says 'Click on a term to see more information about a term'. The search results show '1 Results Found'. The term 'driver' is listed with its definition: 'A software component or test tool that replaces a component that takes care of the control and/or the calling of a component or system.' It also lists synonyms: 'test driver' and 'See Also:'. On the right, there is a section 'Used in Syllabi: (checked if keyword)' with a list of syllabi: 'Foundation - 2011' (checked), 'Advanced Test Analyst - 2012', 'Advanced Technical Test Analyst - 2012', 'Expert Test Management - 2011', 'Advanced Test Automation Engineer - 2016' (checked), 'Advanced Security Tester - 2016', 'Foundation - 2018', and 'Foundation Extension - Gambling Industry Tester - 2018'. The reference 'After TMap' is also listed.

Click on a term to see more information about a term

1 Results Found

driver

A software component or test tool that replaces a component that takes care of the control and/or the calling of a component or system.

Synonyms: test driver

See Also: —

Used in Syllabi: (checked if keyword)

- ☒ Foundation - 2011
- ☐ Advanced Test Analyst - 2012
- ☐ Advanced Technical Test Analyst - 2012
- ☐ Expert Test Management - 2011
- ☒ Advanced Test Automation Engineer - 2016
- ☐ Advanced Security Tester - 2016
- ☐ Foundation - 2018
- ☐ Foundation Extension - Gambling Industry Tester - 2018

Reference: After TMap

Stub => <https://glossary.istqb.org/en/search/stub>

The screenshot shows the ISTQB Glossary search results for the term 'stub'. The header includes the ISTQB logo, the title 'ISTQB Glossary', the search term 'stub', and navigation links for 'Advanced Options', 'Reports', and 'English'. Below the header, a message says 'Click on a term to see more information about a term'. The search results show '1 Results Found'. The term 'stub' is listed with its definition: 'A skeletal or special-purpose implementation of a software component, used to develop or test a component that calls or is otherwise dependent on it. It replaces a called component.'

Click on a term to see more information about a term

1 Results Found

stub

A skeletal or special-purpose implementation of a software component, used to develop or test a component that calls or is otherwise dependent on it. It replaces a called component.

