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Group Assignment: Testing Assignment

By

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**Submitted to  
Lect. Dr. Wudhichart Sawangphol**

A Report Submitted in Partial Fulfillment of

the Requirements for

ITCS371 Introduction to Software Engineering

Faculty of Information and Communication Technology

Mahidol University

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# **Task 1**

Test Case ID: #1

Test Title: Checking can get default route API

Description: Test the StudentService default route API.

Test type: Unit Testing

Test priority (Low/Med/High): Low

Test Designed by: Waris Damkham and Pattanan Korkiattrakool

Test Designed date: 15/11/2022

Test Executed by: Pattanan Korkiattrakool

Test Executed date: 15/11/2022

Pre-condition: -

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected result | Actual result | Status (Pass/Fail) | Note |
| 1 | Navigate to http://localhost:3000/ | - | “hello” | “hello” | Pass | - |

Test Case ID: #2

Test Title: Checking can get default route API

Description: Test the StudentService default route API.

Test type: Unit Testing

Test priority (Low/Med/High): Low

Test Designed by: Waris Damkham and Pattanan Korkiattrakool

Test Designed date: 15/11/2022

Test Executed by: Pattanan Korkiattrakool

Test Executed date: 15/11/2022

Pre-condition:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected result | Actual result | Status (Pass/Fail) |
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# **Task 2**

Test Case ID: #3

Test Title: Get all students' information in the database via /students

Description: Test the StudentService API to retrieve all students' information in the database.

Test type: Integration Testing

Test priority (Low/Med/High): Med

Test Designed by: Waris Damkham and Pattanan Korkiattrakool

Test Designed date: 15/11/2022

Test Executed by: Pattanan Korkiattrakool

Test Executed date: 15/11/2022

Pre-condition: -

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected result | Actual result | Status (Pass/Fail) | Note |
| 1 | Navigate to Student Information Page | - | Get all student information | Get all student information | Pass | - |
| 2 | Click on Select all button |  |  |  |  |  |

Test Case ID: #4

Test Title: Get the information of the last student in the database via /student/:id

Description: Test the StudentService API to retrieve the last students' information in the database.

Test type: Integration Testing

Test priority (Low/Med/High): Med

Test Designed by: Waris Damkham and Pattanan Korkiattrakool

Test Designed date: 15/11/2022

Test Executed by: Pattanan Korkiattrakool

Test Executed date: 15/11/2022

Pre-condition: A valid student ID must be known by the user.

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected result | Actual result | Status (Pass/Fail) | Note |
| 1 | Navigate to Student Information Page | Student ID | Get the last student's information. | can't get the last student's information. | Fail | The data for student ID 5 is undefined |
| 2 | Fill in the student ID box with student ID number 5. |  |  |  |  | in testing, but the information is displayed in the web service. |
| 3 | Click on Select button |  |  |  |  |  |

# **Task 3**

Test Case ID: #5

Test Title: Test the web service by inserting a new student and retrieving his information from the database.

Description: Test the StudentService API with a web service by inserting a new student and retrieving information in the database.

Test type: System Testing

Test priority (Low/Med/High): High

Test Designed by: Waris Damkham and Pattanan Korkiattrakool

Test Designed date: 15/11/2022

Test Executed by: Pattanan Korkiattrakool

Test Executed date: 15/11/2022

Pre-condition:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected result | Actual result | Status (Pass/Fail) |  |
| 1 | Navigate to |  |  |  | Pass |  |
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