# LEARNING OBJECTIVES FOR THIS LESSON

* Daily Scrum Meeting – Day 2
* Test Driven Development – Part II

Pay attention to your lecturer and take notes. This worksheet is to be submitted individually.

# TASKS FOR THIS LESSON

### **Daily Scrum – Day 2**

1. Assuming that you have completed day 1 and now it is the morning of day 2, conduct your stand up meeting and enter your answers to the table below.
   * The plan for day 2 is to develop user story 6 (loan an item) and user story 7 (return an item).

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| **Questions** | **Answer** |
| What did you do yesterday? | To code for to add new items and view all available items |
| What will you do today? | To code for to loan an item and return an item |
| Are there any impediments in your way? | Code bugs |

1. Work as a team, update the “Sprint1\_Backlog\_BurndownChart\_Day1.xlsx” file after *one day’s* work, save it as “Sprint1\_Backlog\_BurndownChart \_Day2.xlsx”.

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| (Task screen shot of the Updated Sprint Backlog and Paste in the box) |

1. Generate the Sprint Burn-down Chart for ResourceCentre project’s Sprint1 Day 2.

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| (Task screen shot of the Sprint Burn-down chart and Paste in the box) |

### **Test Driven Development**

1. Perform TDD as taught in Lesson 10a to develop user story 6 (US\_06) and user story 7 (US\_07).
2. Study the unit test cases codes for US\_06 and US\_07, found in the **Resources** folder, and fill in the test cases in the table below.

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| **User Story 6:**  As a Resource Centre staff member, I want to be able to input loan details for laptops and digital cameras, including the student's name, asset number of the item, and due date, so that I can easily track the loan records.  Given that a staff member inputs loan details for laptops and digital cameras, when the system successfully records the loan details, then the staff member can easily track the loan records.  **Acceptance Criteria**:   * The system should allow the staff member to input loan details for both laptops and digital cameras. * The staff member should be able to input the asset number of the item, and due date. * The system should validate that the asset number entered corresponds to a laptop or digital camera in the inventory. * The system should not allow loan details to be entered for an item that is already checked out. * The staff member should receive a confirmation message after the loan details are successfully recorded. | | |
| **No.** | **Unit Test Case** | **Expected Result** |
| 1 | Loan an empty digital camera from the inventory  Loan an empty digital camera  Assert Tag: CC0016  Due Date: 08-08-2030 | The digital camera will not loan out from the inventory. |
| 2 | Loan an empty laptop from the inventory  Loan an empty laptop  Assert Tag: CB0016  Due Date: 08-08-2030 | The laptop will not loan out from inventory. |
| 3 | Loan an digital camera from the inventory  Loan an digital camera  Assert Tag: C001  Due Date: 08-08-2030 | The digital camera will loan out from the inventory. |
| 4 | Loan an laptop from the inventory  Loan an laptop  Assert Tag: L001  Due Date: 08-08-2030 | The laptop will loan out from inventory. |
| 1 | Loan an empty digital camera from the inventory  Loan an empty digital camera  Assert Tag: CC0016  Due Date: 08-08-2030 | The digital camera will not loan out from the inventory. |
| 2 | Loan an empty laptop from the inventory  Loan an empty laptop  Assert Tag: CB0016  Due Date: 08-08-2030 | The laptop will not loan out from inventory. |
| 3 | Loan an digital camera from the inventory  Loan an digital camera  Assert Tag: C001  Due Date: 08-08-2030 | The digital camera will loan out from the inventory. |
| 4 | Loan an laptop from the inventory  Loan an laptop  Assert Tag: L001  Due Date: 08-08-2030 | The laptop will loan out from inventory. |

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| **User Story 7:**  As a Resource Centre staff member, I want to be able to mark an item as checked in when a student returns it, so that I can keep accurate loan records.  Given that a student returns a loaned item, when a Resource Centre staff member marks it as checked in, then the loan record is updated to reflect the return date and the item is made available for loan again.  **Acceptance Criteria**:   * The staff member can select the option to mark an item as checked in. * The staff member enters the asset number and confirms the return. * The loan record is updated to reflect the return date of the item. * The item is made available for loan again. | | |
| **No.** | **Unit Test Case** | **Expected Result** |
| 1 | Check out a loaned digital camera to the inventory  Loan an loaned digital camera  Assert Tag: C001 | The digital camera will be checked out back to the inventory |
| 2 | Check out a loaned laptop to the inventory  Loan an loaned laptop  Assert Tag: L001 | The laptop will will be checked out back to the inventory |
| 3 | Check out a non-loan digital/laptop to the inventory  Check out an non-loan digital/laptop  Assert Tag: C003 | The digital camera/laptop will not be checked out back to the inventory |

### **Team Collaboration using GitHub**

1. Team leader (or the student with the completed codes) *push* the project **ResourceCentre\_XXXXXXXX** into GitHub.
2. Team leader *add* other team members into the project as **collaborators**.
3. Other team members *pull/import* the project from **GitHub**.

Note: *Refer to “Using VS Code with GitHub in a team file” in the* ***User Guides*** *folder for the steps needed to perform the above actions.*

### **Lesson Deliverables**

1. Paste in the box below the **GitHub URL** of the team project.

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1. Zip up your **RescourceCentre\_XXXXXXXX** folder and submit together with the worksheets of Lesson 10a and 10b.