## Product Backlog

System name: Resource Centre

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| User Story ID | User Story | Story Point |
| 01 | As a Resource Centre staff member, I want to be able to input details of laptops or digital cameras into the system, so that I can easily track the ownership and specifications of each device.  Given that there is a new laptop or digital camera, when the Resource Centre staff member inputs the details of laptops or digital cameras into the system, then the system should store the ownership and specifications of each device for easy tracking.  **Priority**: Must have  **Acceptance Criteria**:   * The system allows the staff member to input all required details of a laptop or digital camera. * The system validates that all required details are entered before allowing the data to be saved. * The system displays a confirmation message to the staff member once the data is successfully saved. | 5 |
| 02 | As a Resource Centre staff, I want to be able to update the details of a laptop or digital camera, so that I can keep the inventory accurate and up-to-date.  Given that a laptop or digital camera has been added to the system, when the details of the device change, then the system should allow for the updated information to be saved and displayed accurately.  **Priority**: Must have  **Acceptance Criteria**:   * The system must allow for the editing of laptop or digital camera details. * Changes made to the details of the device must be saved and displayed accurately. * The system must provide an error message if the details are not updated due to incorrect input or other issues. | 3 |
| 03 | As a Resource Centre staff member, I want to be able to delete a laptop or digital camera from the system so that I can keep track of the available items.  Given that a laptop or digital camera needs to be removed from the Resource Centre inventory, when the staff member selects the delete option for the corresponding item, then the system will remove the item from the database and update the inventory count accordingly.  **Priority**: Must have  **Acceptance Criteria**:   * The staff member should be able to select an item to delete from the inventory list. * When the delete option is selected, the item should be removed from the database. * The inventory count should be updated to reflect the removal of the item. | 3 |
| 04 | As a Resource Centre staff member, I want to be able to view a list of all available laptops and digital cameras so that I can quickly see which items are currently available for loan.  Given that I am a Resource Centre staff member, when I access the system, then I can view a list of all available laptops and digital cameras.  **Priority**: Should have  **Acceptance Criteria**:   * he list should display the asset number tag, model description, and operating system for laptops. * The list should display the asset number tag, model description, and optical zoom capability for digital cameras. * The list should only show items that are currently available for loan. | 1 |
| 05 | As a Resource Centre staff member, I want to be able to search for the availability of a specific laptop or digital camera, so that I can easily determine if it is available for loan.  Given that I need to determine the availability of a specific laptop or digital camera, when I search for it in the system, then I should be able to quickly determine if it is available for loan or not.  **Priority**: Must have  **Acceptance Criteria**:   * The system should allow the staff member to search for a specific laptop or digital camera by asset number tag or model description. * The system should display the current availability status of the item (available for loan or not). * The system should also display the due date for any existing loans of the item, if it is not available for loan. | 2 |
| 06 | 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.  **Priority**: Must have  **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 student's name, 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. | 4 |
| 07 | 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.  **Priority**: Must have  **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. | 4 |
| 08 | As a Resource Centre staff member, I want to be able to view a list of all checked out laptops and digital cameras so that I can easily see which items are currently on loan to students.  Given that I am a Resource Centre staff member, when I need to track the loan records, then I want to be able to view a list of all checked out laptops and digital cameras, so that I can quickly see which items are currently on loan to students.  **Priority**: Must have  **Acceptance Criteria**:   * The system displays a list of all checked out laptops and digital cameras. * Each item in the list shows the asset number, model description, student's name, and due date. * The list can be sorted by asset number or due date. | 2 |
| 09 | As a Resource Centre staff member, I want to be able to view a list of all overdue loans so that I can follow up with students who have not returned their items on time.  Given that I am a Resource Centre staff member, when I click on "View Overdue Loans" button, then I should be able to see a list of all loans that are overdue.  **Priority**: Must have  **Acceptance Criteria**:   * The system should identify all loans that have a due date earlier than the current date. * The list should include the name of the student, the item's asset number, and the date the item was due. * The list should be sorted by the due date, with the most overdue items listed first. | 2 |
| 10 | As a Resource Centre staff member, I want to be able to generate monthly reports of loan records, so that I can track loan activity and identify trends.  Given that I am a Resource Centre staff member, when I generate a monthly report of loan records, then the report should contain all loan details including the student's name, asset number of the item, check-out date, due date, and check-in date (if applicable).  **Priority**: Should have  **Acceptance Criteria**:   * The report should be generated for a specified month or range of months. * The report should include all laptops and digital cameras loaned out during the specified time period. * The report should indicate if a loan is overdue and by how many days. | 3 |
| 11 | As a Resource Centre staff member, I want to be able to reserve a specific laptop or digital camera for a student, so that I can guarantee availability of the item for a future loan.  Given that a staff member selects a specific laptop or digital camera, when reserving it for a student, then the item should be marked as "reserved" in the system and should not be available for loan to other students during the reservation period.  **Priority**: Would have  **Acceptance Criteria**:   * The staff member should be able to search for and select a specific laptop or digital camera for reservation * The system should display the reservation details including the student's name and reservation period * The item should be marked as "reserved" in the system during the reservation period * The item should not be available for loan to other students during the reservation period | 4 |