**7. CRC Class Diagram:**

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| **Class:** Student | |
| **Description:** Represents a student who can request IDs, rent books, and submit lost item information. | |
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| **Responsibility:** | **Collaborator:** |
| Request temporary digital student ID | Digital ID |
| Request permission access for guests | Permit |
| Rent books from the library | Book |
| Submit lost item info in the online lost & found portal | 1.Lost & Found 2. Admin |

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| **Class:** Digital ID | |
| **Description:**  Manages the generation of digital IDs for students and guests. | |
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| **Responsibility:** | **Collaborator:** |
| Generate digital ID card for students | Student |
| Generate temporary digital ID for guests | Permit |

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| **Class:** Permit | |
| **Description: Handles the creation and management of guest access permissions.** | |
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| **Responsibility:** | **Collaborator:** |
| Handle permission access for guests | • Student  • Digital ID |

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| **Class:** Book | |
| **Description:** Maintains information about library books, including their location and rental status. | |
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| **Responsibility:** | **Collaborator:** |
| Provide location information for books in the library | Student |

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| **Class:** Admin | |
| **Description:** Oversees the approval of lost and found items before they are posted. | |
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| **Responsibility:** | **Collaborator:** |
| Approve submitted lost and found items before posting | • Lost & Found  • Student |

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| **Class:** Lost & found | |
| **Description:** Manages the submission and approval process for lost and found items. | |
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| **Responsibility:** | **Collaborator:** |
| Manage online lost and found items | Student |
| Allow students to submit information about lost items | Admin |