

CRC Card for VendingMachine

| Class | VendingMachine |
|------------------|--|
| Responsibilities | - Select and display products |
| | - Dispense product |
| | - Handle accepted payment methods |
| Collaborators | - Product (for selecting and dispensing products) |
| | - PaymentSystem (for processing payments) |
| | - User (for product selection and payment) |

CRC Card for Product

| Class | Product |
|------------------|--|
| Responsibilities | - Store product details (name, price, etc.) |
| | - Adjust customization |
| Collaborators | - VendingMachine (provides product information) |
| | - User (for customization) |

CRC Card for PaymentSystem

| Class | PaymentSystem |
|------------------|--|
| Responsibilities | - Process payments |
| | - Handle refunds |
| Collaborators | - VendingMachine (coordinates payments) |
| | - User (executes payment actions) |

CRC Card for User

| Class | User |
|------------------|---|
| Responsibilities | - Select product |
| | - Make payment |
| Collaborators | - VendingMachine (select product and make payment) |

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|--|--|
| | - PaymentSystem (process payment) |
| | - Product (get product details) |

| CRC Card for MaintenancePersonnel | |
|-----------------------------------|--|
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| Class | MaintenancePersonnel |
| Responsibilities | - Check stock |
| | - Refill stock |
| Collaborators | - VendingMachine (for stock management) |

These CRC cards highlight each class's purpose, the key actions it takes (responsibilities), and how it interacts with other classes (collaborators) within the vending machine system.