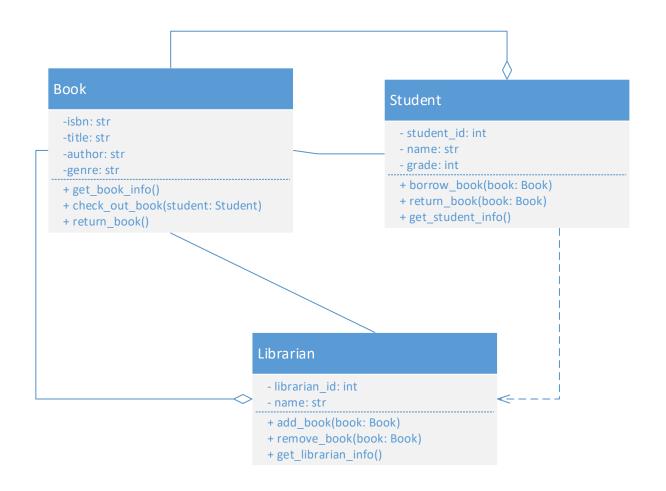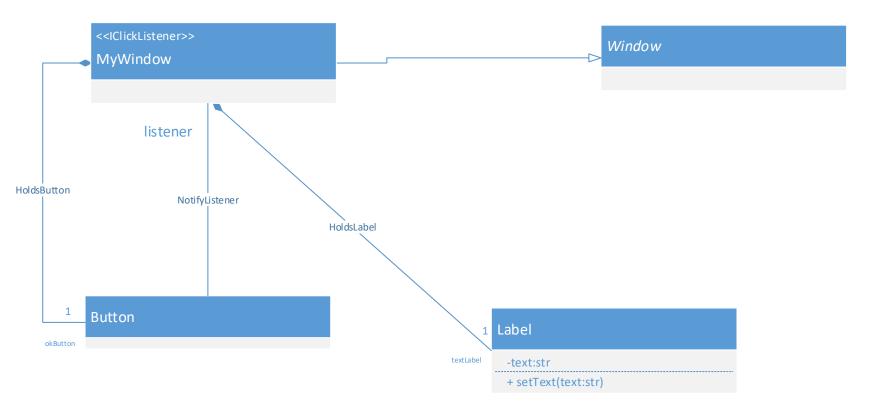## User

- Id:int
- name: string
- email: string

+ create_task()
# assign_task()
+ set_task_status()

Task

- Id:int
- description: string
- status: string
- deadline:string

+ get_priority()
# set_priority()
+ link_to_category()

Category

- id:int
- name:string

+ get_category_name()

Book

-isbn: str
-title: str
-author: str
-genre: str

+ get_book_info()
+ check_out_book(student: Student)
+ return_book()

Student

- student_id: int
- name: str
- grade: int

+ borrow_book(book: Book)
+ return_book(book: Book)
+ get_student_info()

Librarian

- librarian_id: int
- name: str

+ add_book(book: Book)
+ remove_book(book: Book)
+ get_librarian_info()

UML Class Diagram:

<<IClickListener>>
MyWindow

Window

Button
okButton

Label
-text:str
+ setText(text:str)

HoldsButton

listener

NotifyListener

HoldsLabel

1

1

textLabel

Catalog

- id:int
- product:int

- add_product()
- del_product()
+ search_product()

Product

- Id:int
- name:str
- price:decimal(10,2)
- count:int

- edit()

User

- Id:int
- FIO:str
- Phone:str
- Order: int

- edit()

- Id:int
- Phone:str
- Order: int
- edit()

Payment

- id:int
- order:int

+ receiving_check()

Order

- Id:int
- name:str
- product:int
- user:int

+get_status()

Card

+status:str

+ add_to_cart()
+remove_from_cart()|
+ calculate_total_cost()

Cash

+status:str

+ calculate_total_cost()