Book Class

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| Resources |
| title: str  author: str  publisher: str  year: str |
| \_\_init\_\_: (title, author, publisher, year)  set\_title(str): void  set\_author(str): void  set\_publisher(str): void  set\_year(str): void  get\_title(): str  get\_author(): str  get\_publisher(): str  get\_year(): str  get\_resource\_details(): str |

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| --- |
| Books(inherit data field and methods from Resources) |
| ISBN: str  damages: str  borrower: None |
| \_\_init\_\_: (title, author, publisher, year, ISBN)  set\_ISBN(str): void  set\_damages(str): void  set\_borrower(object): void  get\_ISBN(): str  get\_damages(): str  get\_availability(): bool  get\_borrower(): None/object  print\_resource\_details(): str  print\_borrower\_details(): str |

E\_Resources Class

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| --- |
| Resources |
| title: str  author: str  publisher: str  year: str |
| \_\_init\_\_: (title, author, publisher, year)  set\_title(str): void  set\_author(str): void  set\_publisher(str): void  set\_year(str): void  get\_title(): str  get\_author(): str  get\_publisher(): str  get\_year(): str  get\_resource\_details(): str |

|  |
| --- |
| E\_Resources(inherit data field and methods from Resources) |
| ISBN: str  damages: str  borrower: None |
| \_\_init\_\_: (title, author, publisher, year)  print\_resource\_details(): str  add\_device(object): void |

Members Class

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| --- |
| Members |
| name: str  surname: str  date\_of\_birth: str  residence: str  notifications: None  borrowed\_books: list |
| \_\_init\_\_: (name, surname, date\_of\_birth, residence)  set\_name(str): void  set\_surname(str): void  set\_date\_of\_birth(str): void  set\_residence(str): void  get\_name(): str  get\_surname(): str  get\_date\_of\_birth(): str  get\_tesidence(): str  get\_borrowed\_books(): list/object  get\_notifications(): str  get\_borrowed\_books\_lengh(): int  add\_book(object): void  print\_personal\_details(): str  print\_notifications(): str  print\_borrowed\_books\_details(): str |

Devices Class

|  |
| --- |
| Devices |
| Device\_type: str  brand: str  model: str  year: str  location: str |
| \_\_init\_\_: (device\_type, brand, model, year, location)  set\_type\_device(str): void  set\_brand(str): void  set\_model(str): void  set\_year(str): void  set\_location(str): void  set\_availability(str): void  set\_repair\_upgrade(str): void  get\_device\_type(): str  get\_brand(): str  get\_model(): str  get\_year(): str  get\_location(): str  get\_repairs\_upgrades(): str  get\_availability(): str  check\_availability(): bool  print\_device\_details(): str |

System Class

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| --- |
| System |
| library\_name: str  address: str  catalogue: str  borrower\_list: list |
| \_\_init\_\_: ()  set\_library\_name(str): void  set\_address(str): void  get\_library\_name(): str  get\_address(): str  get\_catalogue(): list  get\_catalogue\_lengh(): int  check\_resource(object): bool  edit\_resource(object, str): void  search\_resource(object): object  search\_by\_ISBN(str): object  search\_by\_author(str): object  remove\_resource(object): void  delete\_resource\_from\_index\_position(int): void  prinit\_all\_available\_books\_datails(): str  add\_resource(object): void  lending\_process(object, object): void  return\_book\_process(object, bool, str): void  send\_notification(str): void  print\_books\_catalogue(): str  print\_e\_resource\_catalogue(): str |