<div align="center">

Project-2

Library Management

</div>

Document-based Database:

Structure of the Collections:

1. Users' collection:

    users_data = [

    {

    "username": "Shroud",

    "password": "Shrimpmeme",

    "full_name": "Micheal Grzesiek",

    "address": "",

    "phone_number": "+1 (407)408-3307",

    "email": "Micheal.Grzesiek@gmail.com",

    "is_library_manager": False

    },

    {

    "username": "Wolverine",

    "password": "Loganisthebestmovie",

    "full_name": "Hugh Jackman",

    "address": "",

    "phone_number": "+1 (407)408-3308",

    "email": "Hugh.Jackman@gmail.com",

    "is_library_manager": False

    },

    {

    "username": "Superman",

    "password": "Cavilisbestsuperman",

    "full_name": "Henry Cavill",

    "address": "",

    "phone_number": "+1 (407)408-3309",

```
      "email": "Henry.Cavill@gmail.com",

      "is_library_manager": False

   },,

   {

      "username": "Egzy",

      "password": "Kingsman",

      "full_name": "Taron Egerton",

      "address": "",

      "phone_number": "+1 (407)408-3310",

      "email": "Taron.Egerton@gmail.com",

      "is_library_manager": False

   },

   {

      "username": "Batsy",

      "password": "IamBatman",

      "full_name": "Bruce Wayne",

      "address": "",

      "phone_number": "+1 (407)408-3311",

      "email": "Bruce.Wayne@batcave.com",

      "is_library_manager": False

   },

   {

      "username": "Versatile",

      "password": "bestactor",

      "full_name": "Pedro Pascal",

      "address": "",

      "phone_number": "+1 (407)408-3312",

      "email": "Pedro.Pascal@hotmail.com",

      "is_library_manager": False

   },
```

```
{
    "username": "DeanWinchester",
    "password": "Sexyguy",
    "full_name": "Jensen Ackles",
    "address": "",
    "phone_number": "+1 (408)408-3313",
    "email": "Jensen.Ackles@hotmail.com",
    "is_library_manager": False
},
{
    "username": "Cowboy",
    "password": "Micahisarat",
    "full_name": "Authur Morgan",
    "address": "",
    "phone_number": "+1 (407)408-3314",
    "email": "Arthur.Morgan@gmail.com",
    "is_library_manager": False
},
{
    "username": "Eminem",
    "password": "SlimShady",
    "full_name": "Bruce Mathers",
    "address": "",
    "phone_number": "+1 (407)408-3315",
    "email": "",
    "is_library_manager": False
},
{
    "username": "Nolan",
    "password": "THEDirector",
```

```
        "full_name": "Christopher Nolan",

        "address": "",

        "phone_number": "+1(407)408-3316",

        "email": "Christopher.Nolan@gmail.com",

        "is_library_manager": False

    }

]
```

2. Books Collection:

```
books_data = [

    {

        "title": "The Great Gatsby",

        "description": "A story of the fabulously wealthy Jay Gatsby and his love for the beautiful Daisy Buchanan.",

        "price": 12.99,

        "author": "F. Scott Fitzgerald",

        "publisher": "Scribner",

        "available_copies": 3

    },

    {

        "title": "To Kill a Mockingbird",

        "description": "A powerful story of racial injustice and the loss of innocence in the Deep South.",

        "price": 11.50,

        "author": "Harper Lee",

        "publisher": "J. B. Lippincott & Co.",

        "available_copies": 2

    },

    {

        "title": "1984",

        "description": "A dystopian novel set in a totalitarian society, where the government controls every aspect of life.",
```

```json
    "price": 14.75,
    "author": "George Orwell",
    "publisher": "Secker & Warburg",
    "available_copies": 4
  },
  {
    "title": "Pride and Prejudice",
    "description": "The story of the independent and strong-minded Elizabeth Bennet and the proud Mr. Darcy.",
    "price": 10.99,
    "author": "Jane Austen",
    "publisher": "T. Egerton, Whitehall",
    "available_copies": 3
  },
  {
    "title": "The Hobbit",
    "description": "The tale of Bilbo Baggins and his unexpected journey to claim a treasure guarded by the dragon Smaug.",
    "price": 9.25,
    "author": "J.R.R. Tolkien",
    "publisher": "George Allen & Unwin",
    "available_copies": 5
  },
  {
    "title": "Harry Potter and the Sorcerer's Stone",
    "description": "The story of a young wizard, Harry Potter, as he discovers his magical heritage.",
    "price": 15.99,
    "author": "J.K. Rowling",
    "publisher": "Bloomsbury",
    "available_copies": 2
```

    },
    {

        "title": "Moby-Dick",

        "description": "The tale of Captain Ahab's obsessive quest for revenge on the elusive white whale Moby Dick.",

        "price": 13.45,

        "author": "Herman Melville",

        "publisher": "Richard Bentley",

        "available_copies": 3

    },
    {

        "title": "The Catcher in the Rye",

        "description": "The story of Holden Caulfield, a disaffected teenager struggling with the hypocrisy of society.",

        "price": 10.80,

        "author": "J.D. Salinger",

        "publisher": "Little, Brown and Company",

        "available_copies": 4

    },
    {

        "title": "The Lord of the Rings: The Fellowship of the Ring",

        "description": "The first part of the epic fantasy journey of the Fellowship to destroy the One Ring.",

        "price": 16.75,

        "author": "J.R.R. Tolkien",

        "publisher": "George Allen & Unwin",

        "available_copies": 5

    },
    {

        "title": "The Little Prince",

        "description": "A philosophical novella about a young prince who travels the universe and learns about life, love, and friendship.",

        "price": 8.95,

        "author": "Antoine de Saint-Exupéry",

        "publisher": "Reynal & Hitchcock",

        "available_copies": 3

    },

    {

        "title": "Fahrenheit 451",

        "description": "In a future society where books are banned, a fireman tasked with burning them begins to question his role.",

        "price": 12.30,

        "author": "Ray Bradbury",

        "publisher": "Ballantine Books",

        "available_copies": 2

    },

    {

        "title": "The Great Expectations",

        "description": "The coming-of-age story of a young orphan named Pip and his journey through life.",

        "price": 11.20,

        "author": "Charles Dickens",

        "publisher": "Chapman & Hall",

        "available_copies": 4

    },

    {

        "title": "One Hundred Years of Solitude",

        "description": "A multi-generational story of the Buendía family, set in the fictional town of Macondo.",

        "price": 14.99,

        "author": "Gabriel García Márquez",

        "publisher": "Harper & Row",

        "available_copies": 3

    },

    {

        "title": "Brave New World",

        "description": "A dystopian novel set in a society where genetic engineering and psychological conditioning maintain order.",

        "price": 13.25,

        "author": "Aldous Huxley",

        "publisher": "Chatto & Windus",

        "available_copies": 5

    },

    {

        "title": "The Odyssey",

        "description": "The epic poem recounting the journey of Odysseus after the fall of Troy.",

        "price": 9.90,

        "author": "Homer",

        "publisher": "William Heinemann",

        "available_copies": 3

    },

    {

        "title": "Jane Eyre",

        "description": "The story of a young orphan, Jane Eyre, and her journey to become an independent woman.",

        "price": 10.50,

        "author": "Charlotte Brontë",

        "publisher": "Smith, Elder & Co.",

        "available_copies": 4

    },

    {

        "title": "The Chronicles of Narnia: The Lion, the Witch and the Wardrobe",

        "description": "The story of four children who discover the magical land of Narnia through a wardrobe.",

        "price": 12.75,

        "author": "C.S. Lewis",

        "publisher": "Geoffrey Bles",

        "available_copies": 5

    },

    {

        "title": "Crime and Punishment",

        "description": "The psychological novel about a man who commits a crime and faces the consequences.",

        "price": 11.60,

        "author": "Fyodor Dostoevsky",

        "publisher": "The Russian Messenger",

        "available_copies": 3

    },

    {

        "title": "The Picture of Dorian Gray",

        "description": "A cautionary tale about vanity and the corruption of the soul.",

        "price": 10.25,

        "author": "Oscar Wilde",

        "publisher": "Ward, Lock and Co.",

        "available_copies": 4

    },

    {

        "title": "The Hitchhiker's Guide to the Galaxy",

        "description": "The humorous sci-fi adventure of Arthur Dent as he travels through space and time.",

        "price": 9.95,

        "author": "Douglas Adams",

```
      "publisher": "Pan Books",

      "available_copies": 2

    },

    {

      "title": "Anna Karenina",

      "description": "The tragic story of Anna Karenina, who falls in love with the dashing
Count Vronsky.",

      "price": 12.90,

      "author": "Leo Tolstoy",

      "publisher": "The Russian Messenger",

      "available_copies": 5

    },

    {

      "title": "The Book Thief",

      "description": "Set in Nazi Germany, a young girl steals books to share them with
others and find solace.",

      "price": 11.75,

      "author": "Markus Zusak",

      "publisher": "Picador",

      "available_copies": 3

    },

    {

      "title": "Wuthering Heights",

      "description": "A dark and passionate tale of love, revenge, and obsession on the
moors.",

      "price": 10.50,

      "author": "Emily Brontë",

      "publisher": "Thomas Cautley Newby",

      "available_copies": 4

    },

    {
```

```
        "title": "The Divine Comedy",

        "description": "The epic poem by Dante Alighieri, describing the journey through
Hell, Purgatory, and Heaven.",

        "price": 15.99,

        "author": "Dante Alighieri",

        "publisher": "Foligno",

        "available_copies": 5

    },

    {

        "title": "The Alchemist",

        "description": "The story of Santiago, an Andalusian shepherd boy, and his quest for
a hidden treasure.",

        "price": 8.95,

        "author": "Paulo Coelho",

        "publisher": "HarperOne",

        "available_copies": 3

    },

    {

        "title": "The Count of Monte Cristo",

        "description": "The tale of Edmond Dantès and his quest for revenge after being
wrongly imprisoned.",

        "price": 12.20,

        "author": "Alexandre Dumas",

        "publisher": "Revue des Deux Mondes",

        "available_copies": 2

    },

    {

        "title": "The Name of the Wind",

        "description": "The story of Kvothe, a magically gifted young man who grows to be
the most notorious wizard.",

        "price": 14.50,
```

    "author": "Patrick Rothfuss",

    "publisher": "DAW Books",

    "available_copies": 4

  },

  {

    "title": "Dracula",

    "description": "The gothic horror novel about the vampire Count Dracula and his attempt to move from Transylvania to England.",

    "price": 10.75,

    "author": "Bram Stoker",

    "publisher": "Archibald Constable and Company",

    "available_copies": 3

  },

  {

    "title": "The Road",

    "description": "The post-apocalyptic tale of a father and son's journey across a desolate landscape.",

    "price": 11.99,

    "author": "Cormac McCarthy",

    "publisher": "Alfred A. Knopf",

    "available_copies": 2

  },

  {

    "title": "The Kite Runner",

    "description": "The story of Amir, a young boy from Kabul, and his journey to find redemption.",

    "price": 11.45,

    "author": "Khaled Hosseini",

    "publisher": "Riverhead Books",

    "available_copies": 4

  },

```json
    {
        "title": "Frankenstein",

        "description": "The tale of Victor Frankenstein and his creation, the monster often referred to as Frankenstein.",

        "price": 9.80,

        "author": "Mary Shelley",

        "publisher": "Lackington, Hughes, Harding, Mavor, & Jones",

        "available_copies": 5

    }

]
```