**Project-2**

**Library Management**

**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

}

]

1. 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.",

"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

},

{

"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

}

]