Public Book Domain Explorer

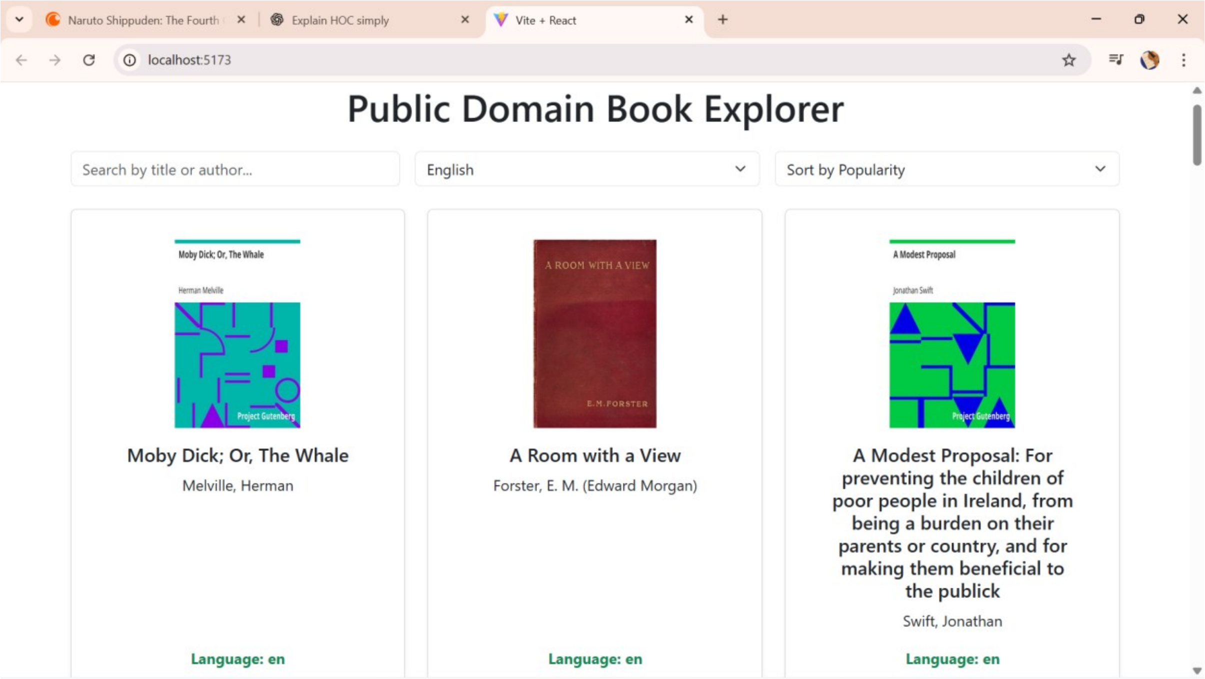
```
import React, { useEffect, useState } from "react"

const BookList = () => {
  const [books, setBooks] = useState([])
  const [filteredBooks, setFilteredBooks] = useState([])
  const [loading, setLoading] = useState(true)

  const [search, setSearch] = useState("")
  const [language, setLanguage] = useState("all")
  const [sortOrder, setSortOrder] = useState("default")

  useEffect(() => {
    fetch("https://gutendex.com/books")
      .then((res) => res.json())
      .then((data) => {
        setBooks(data.results)
        setFilteredBooks(data.results)
        setLoading(false)
      })
      .catch((err) => {
        console.error("Error fetching books:", err)
        setLoading(false)
      })
  }, [])

  useEffect(() => {
    let temp = [...books]

    if (search.trim() !== "") {
```

```
    temp = temp.filter(
      (b) =>
        b.title.toLowerCase().includes(search.toLowerCase()) ||
        b.authors.some((a) =>
          a.name.toLowerCase().includes(search.toLowerCase())
        )
    )
  }



  if (language !== "all") {
    temp = temp.filter((b) => b.languages.includes(language))
  }

  if (sortOrder === "downloads") {
    temp.sort((a, b) => b.download_count - a.download_count)
  }

  setFilteredBooks(temp)
}, [search, language, sortOrder, books])

if (loading) {
  return <h3>Loading books...</h3>
}

return (
  <div className="container my-4">
    <h1 className="text-center mb-4">Public Domain Book Explorer</h1>



    <div className="d-flex gap-3 mb-4">
```

```
 <input
  type="text"
  placeholder="Search by title or author..."
  className="form-control"
  value={search}
  onChange={(e) => setSearch(e.target.value)}
 />

 <select
  className="form-select"
  value={language}
  onChange={(e) => setLanguage(e.target.value)}
 >
  <option value="all">All Languages</option>
  <option value="en">English</option>
  <option value="fr">French</option>
  <option value="de">German</option>
  <option value="es">Spanish</option>
 </select>

 <select
  className="form-select"
  value={sortOrder}
  onChange={(e) => setSortOrder(e.target.value)}
 >
  <option value="default">Default</option>
  <option value="downloads">Sort by Popularity</option>
 </select>
</div>
```

```
<div className="row">
 {filteredBooks.length > 0 ? (
  filteredBooks.map((book) => (
   <div key={book.id} className="col-md-4 mb-4">
    <div className="card h-100 shadow-sm">
     {book.formats["image/jpeg"] && (
      <img
       src={book.formats["image/jpeg"]}
       alt={book.title}
       className="card-img-top"
       style={{ height: "200px", objectFit: "contain" }}
      />
     )}
     <div className="card-body d-flex flex-column">
      <h5 className="card-title">{book.title}</h5>
      <p className="card-text text-truncate">
       {book.authors.map((a) => a.name).join(", ") ||
        "Unknown Author"}
      </p>
      <div className="mt-auto">
       <p className="fw-bold text-success">
        Language: {book.languages.join(", ")}
       </p>
       <p>Downloads: {book.download_count}</p>
      </div>
     </div>
    </div>
   </div>
  ))
 ) : (
  <p>No books found.</p>
```

```
      })}
    </div>
   </div>
 )
}


export default BookList
```



Public Domain Book Explorer

Search by title or author...

English

Sort by Popularity

Moby Dick; Or, The Whale

Melville, Herman

Language: en

A Room with a View

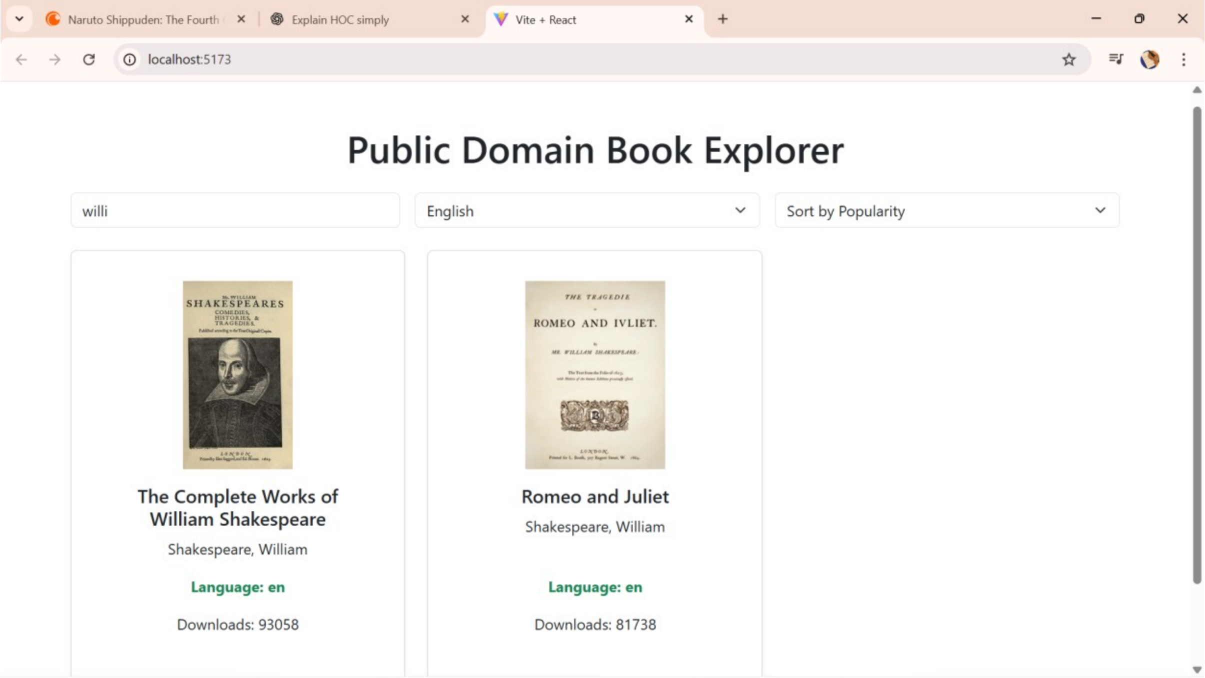
Forster, E. M. (Edward Morgan)

Language: en

A Modest Proposal: For preventing the children of poor people in Ireland, from being a burden on their parents or country, and for making them beneficial to the publick

Swift, Jonathan

Language: en



Public Domain Book Explorer

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English

Sort by Popularity

The Complete Works of William Shakespeare

Shakespeare, William

Language: en

Downloads: 93058

Romeo and Juliet

Shakespeare, William

Language: en

Downloads: 81738