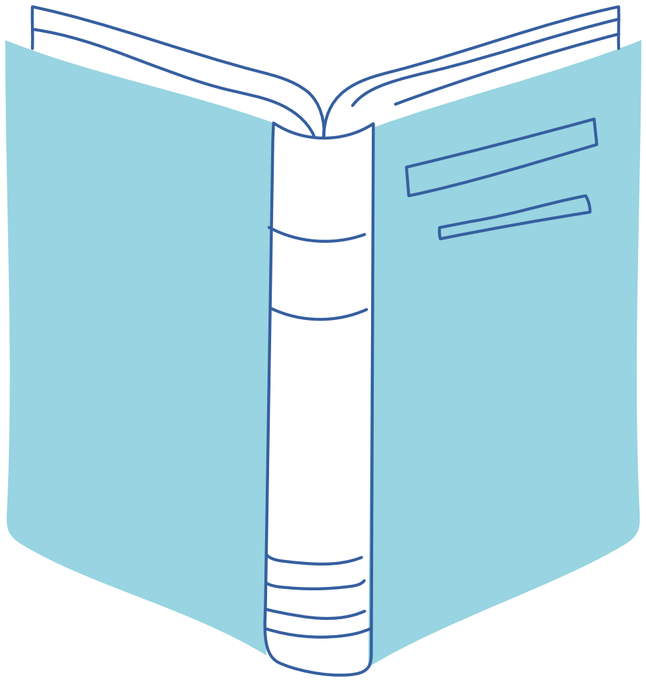

Title :

A Smart platform for Book Discovery and Personalized Recommendations with Semantic Search

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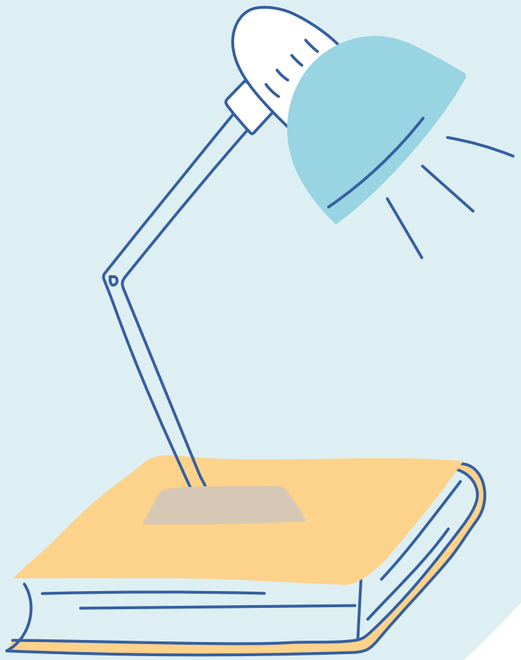
Submitted To

Jarin Tasnim Tamanna

(Lecturer)

Department of Computer Science and Engineering

(NITER)



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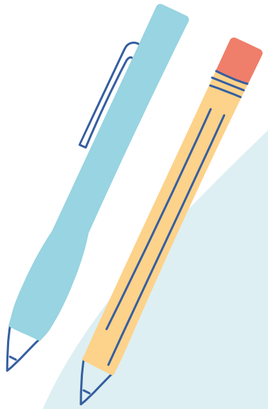


Introduction

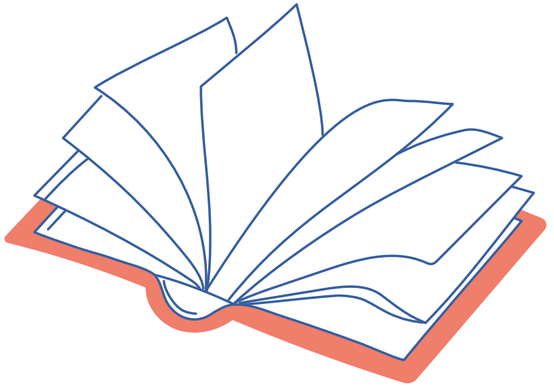
Smart Platform:

A *smart platform refers to a system that uses advanced technologies like artificial intelligence* (AI), *automated, and highly adaptable solutions.*

Semantic Search:

Semantic Search: *Semantic search focuses on understanding the query's meaning and context instead of just matching keywords.*

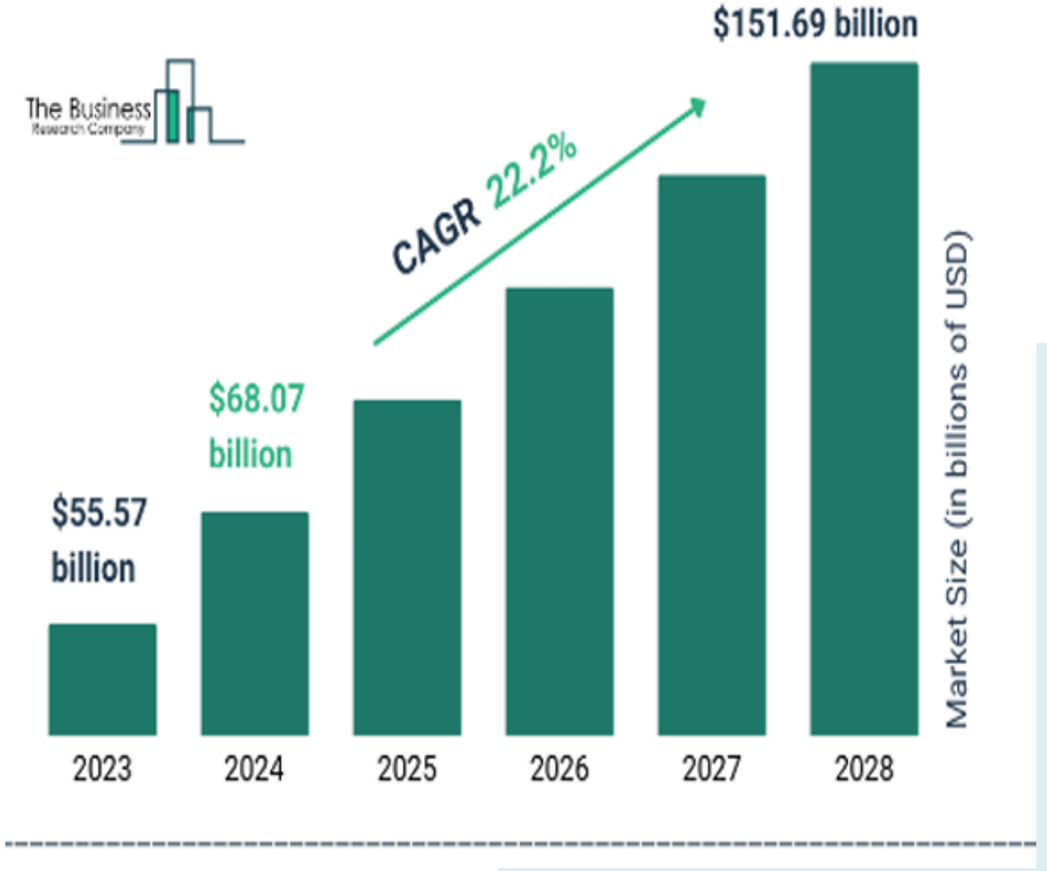
Motivaion

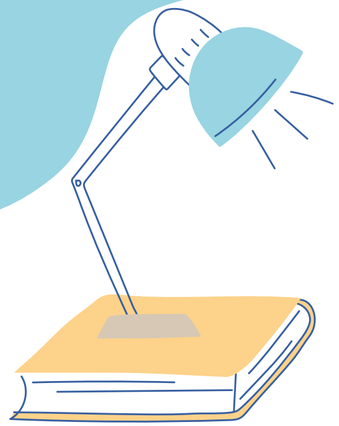


A Smart Platform for Book discovery Market Size 2024 And Growth Rate

A smart platform for book descovary market size has grown rapidly in recent years. It will grow from $55.57 billion in 2023 to $68.07 billion in 2024 at a compound annual growth rate (CAGR) of 22.5%.

A smart platform for book descovry market size is expected to see rapid growth in the next few years. It will grow to $151.69 billion in 2028 at a compound annual growth rate (CAGR) of 22.2%.





objectives

01

To build up a system that gives information identifying specific students the books, notes, recorded classes & guidelines they need

02

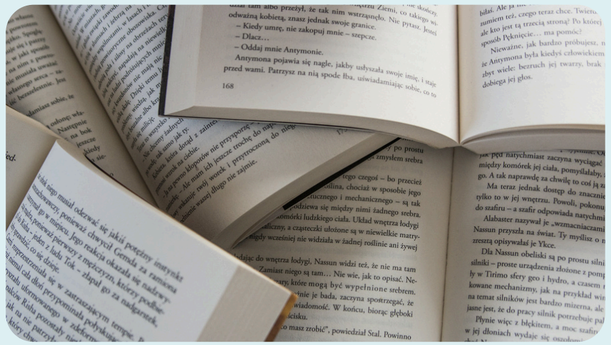
To efficiently access the proper information and make essential Educational experience

03

To offer personalized book recommendations based on user preferences and ratings.

Related Work

- *Existing platforms like Goodreads, Amazon's book section, and Library Thing offer basic recommendation systems. However they:*



Primarily depend on user ratings and popularity trends.

Lack semantic search capabilities to process natural language queries effectively.

Offer limited personalization, focusing more on generic popularity. These limitations highlight the need for a smarter, more intuitive platform.

METHODOLOGY

Tagging Of Books

Self Check KIOSK

Shelf Management

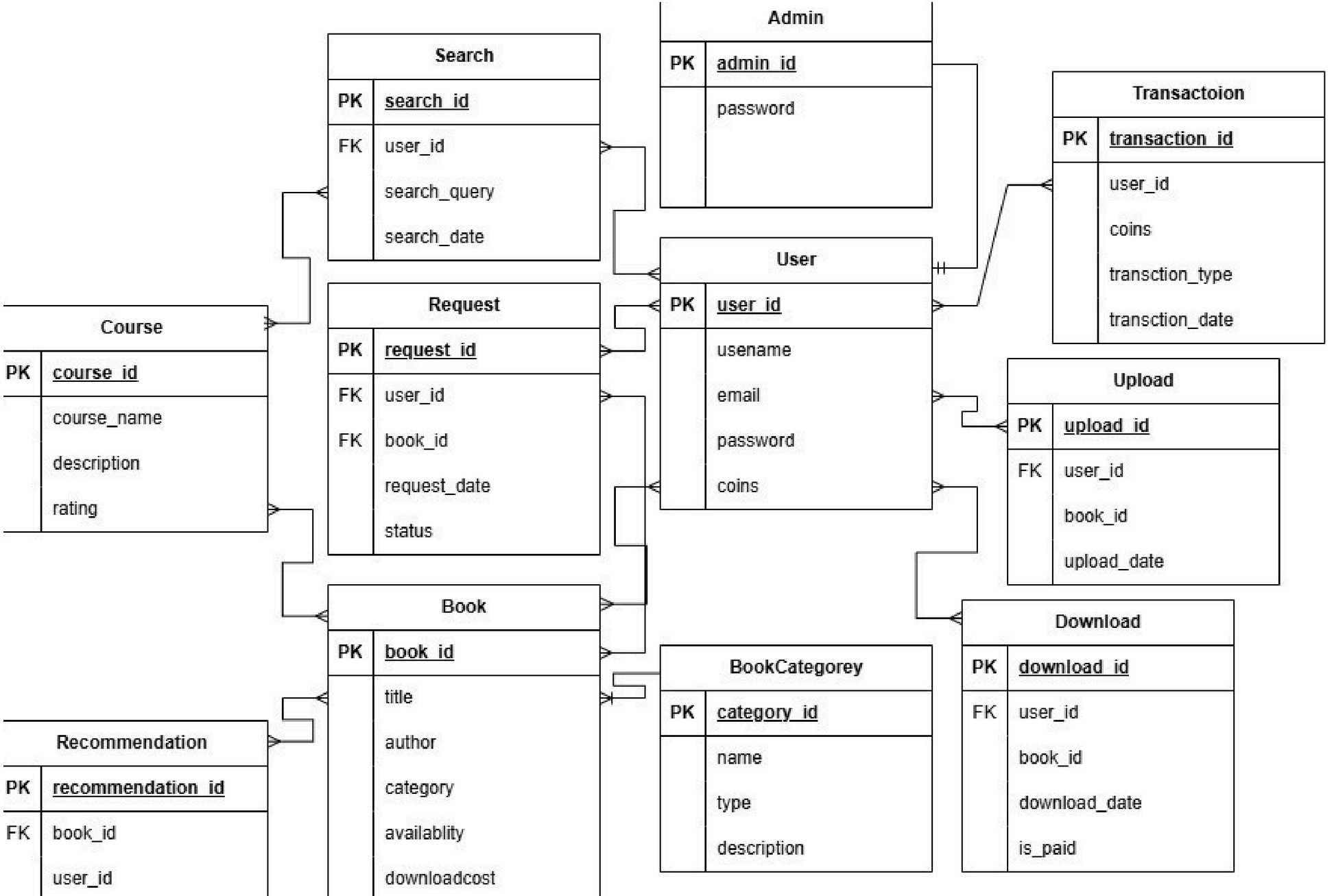
Self Issue Of Books

Self Return Of Books

Anti Theft Detection

Book Drop Box/Station

E-R Model


Admin
PK admin_id
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Search
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search_query
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Transactoion
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User
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Request
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Course
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Download
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download_date
is_paid
Recommendation
PK recommendation_id
FK book_id
user_id

Result

Future Works

- *Add interactive tutorials, video lectures, and live Q&A sessions with professors.*

Al-Powered Recommendations:

- *Implement Al to analyse students' performance and suggest books, notes, or additional resources tailored to their needs.*

Conclusion

Thank you

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Resource page