Entity and Entity Relationship--🡪

**Reader:-**

reader\_name

user credential {user id/name/email

user password }

**Author:-**

author\_name

book\_name

book\_price

book\_authors

book\_version

user credential {user id/name/email

user password }

**Publisher:-**

pub\_name

book\_name

book\_price

book\_authors

book\_version

user credential {user id/name/email

user password }

book reference @Many\_One

**book:-**

book\_name

book\_price

book\_authors

book\_version

**ReaderBook:-**

assigned\_date

borrowing\_days

reader reference @Many\_One

book reference @Many\_One

**AuthorBook:-**

author reference @Many\_One

book reference @Many\_One

ALL CRUD AND BUSINESS APIs--🡪

READER APIs

ALL READER CRUD APIs

booksByBookName

booksByPublisherName

booksByauthorName

booksPurchasedByReaderId

totalRentByReaderId

PUBLISHER APIs

ALL PUBLISHER CRUD APIs

totalBooksByPublisherId

totalBooksOnRentByPublisherId

publisherShareOnBookRent

AUTHOR APIs

ALL AUTHOR CRUD APIs

totalBooksByAuthorId

totalBooksOnRentByAuthorId

authorShareOnBookRent

Api----security

Api – exception/testing

HTML ---validation

**WORK DISTRIBUTION**

***AMBUJ & DILIP:--🡪***

ALL AUTHOR CRUD APIs

(do all things in **author Controller**)

totalBooksByAuthorId -----all books of author

totalBooksOnRentByAuthorId ------all books of author that are on rent

authorShareOnBookRent((book price/daysum)/2)

***VISHWA & PRANIL--🡪***

ALL PUBLISHER CRUD APIs

(do all things in **publisher Controller**)

totalBooksByPublisherId ----- all books of publisher

totalBooksOnRentByPublisherId ------all books of publisher that are on rent

publisherShareOnBookRent ((book price/daysum)/2)

***SAI & BISWAJIT--🡪***

ALL READER CRUD APIs

(do all things in **reader Controller**)

ALL BOOK CRUD APIs

booksByBookName

booksByPublisherName

booksByauthorName

booksPurchasedByReaderId

totalRentByReaderId