# PROJECT PROPOSAL

**Database Name**: The Books Database

**Scope**: The goal of this project is to design and implement a database that stores general information about books from a variety of genres. This database will contain data for each book, including summaries, ratings and reviews, authors, publication dates and any other relevant information. Ideally, our database will contain information on every relevant publication.

**Team**:
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**Description of Database**:
The Books Database will contain general information about books across all genres. Here are some key points:
- Title
- Summary
- Ratings and Reviews
- Authors
- Publication Date
- Genres
- ISBN (International Standard Book Number)
- Publisher

**Datasources**:
- Google Books APIs (for general information) :
  https://developers.google.com/books/docs/v1/using
- NyTimes Books API (for reviews) :
  https://developer.nytimes.com/docs/books-product/1/overview

**Implementation Platform**:
We will use PostgreSQL as our Database Management System.

**Programming Platform**:
We will use Node.js with Express for API consumption. If down the line we decide to implement a front-end to help navigate/visualize our database, we will consider using React.js.

**Plan for Data Collection**:
We plan to import the general information about books from Google Books API, then use NyTimes Books API to add reviews from professional critics to the books. We can easily match books from both APIs because the same books will have the same ISBN.