**Final Project Technical​ Implementation Plan**​

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# **Project Description**

We are going to create a Book Database website called **BookMaster**. The key features of the website would be:

* Create an account: At the beginning of the application, the user gets a login page which has two options : Sign Up/Log In. If the User does not have an account, the user will click on Sign Up.
* Login/Logout: The Existing Users will Login. Logged in users can logout, once their task is complete.
* Add a book : Once the user has logged in, they can Add a book, which will be visible to all users.
* Search for books: The user can search from the list of available books from the Google Books API and our book database.
* Comments for books: The users can post comments for books which they have read.

# **Group Members**

|  |  |
| --- | --- |
| **Name** | **CWID** |
| Devesh Naik | 10438427 |
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# **Course Technologies**

● React

○ We​ ​will​ ​use​ ​React ​as​ ​our​ ​single-page​ ​web​ ​application​ ​framework.​ ​We​ ​will​ ​create components for​ the​ elements​ ​that ​we​ ​​include​ ​on​ ​our​ ​pages.

* Redux

○ We will use Redux to manage state and state transformations of Firebase and React.

* Firebase Authentication

○ We​ ​will​ ​be​ ​using Firebase authentication​ system​​ to​​ authorize​​ users​ for​ ​the website.

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# **Independent​ Technologies ​**

* Firebase Storage
  + We will use Firebase storage to store book pdfs and images of book covers.
* Firebase Real-Time Database
  + Firebase’s Real-Time database will be used for storing book details and personal details of the users.

**Github Repo**

<https://github.com/Devesh21/BookDatabase>