**Problem Statement:**

Develop Web APIs with using Node JS which will send and receive data - in the form of JSON – to / from

***BookMyMovie*** Application developed earlier in React.

This application will expose endpoints required to do the CRUD operations with movies database maintained in Mongo DB.

This application will make use of several node package(s) including Express, Mongoose etc.

Application should expose data only if the user is authenticated and authorized.

Below is the list of APIs routes to be exposed from this application along with description:

\*\*Note: Parameter values to be passed in URL are mentioned in curly {} brackets

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| **No** | **Movies Data related API Routes (needs to be prefixed with root URL)** | **Description** |
| 1 | GET /movies?status=PUBLISHED | This API returns all movies from database with status set as “PUBLISHED”; this is handled through condition in code |
| 2 | GET /movies?status=RELEASED | This API returns all movies from database with status set as “RELEASED” ”; this is handled through condition in code |
| 3 | GET /movie/{movieId} | This API returns details about movie with id passed as parameter ”; this is handled through condition in code |
| 4 | GET/movies?status=RELEASED& title={title}&genres={genres}&artists={artists}& start\_date={startdate}&end\_date={enddate} | This API returns all movies data with filter criteria matching with parameters passed”; this is handled through condition in code |
| 5 | GET movies/{movieid}/shows | This API returns “shows” available for specific movie with id passed as parameter |

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| **No** | **Login & Booking related API Route** | **Description** |
| 1 | POST /signup | This API will collect new users data and add it in DB |
| 2 | POST /login | This API will collect credentials and return access token if valid |
| 3 | POST /logout | This API will remove access token entries from DB |
| 4 | GET /coupons | This API will get discount coupons based on id |
| 5 | POST /bookings | This API will add show booking related entry and return a reference number stored in DB |

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| **No** | **Artist and Genres related API Route** | **Description** |
| 1 | GET /artists | This API returns all artists from database |
| 2 | GET /genres | This API returns all genres from database |

Details given in each of the checkpoint will guide you through out the development process.

NOTE: It is assumed that REACT application development is already done.