**Name:** Shubham Jain

**BJF403:** BJF403

**S/N:** 11320746

**Backend Packages:**

* Express.js: A minimalist and fast web framework for Node.js.
* Jsonwebtokens: A library to sign, verify and decode JSON Web Tokens.
* Bcryptjs: A library to hash and verify passwords with sync, callbacks, and promise interface.
* Cookie-Parser: A middleware to parse cookies and populate **req.cookies** with objects bound to cookie names.
* Cors: A middleware to enable Cross-Origin Resource Sharing (CORS).
* Nodemon: A tool that helps to develop Node.js based applications by automatically restarting the Node application when file changes in the directory are detected.
* Dotenv: A module that loads environment variables from a **.env** file into **process.env**.
* Mysql: A Node.js driver for MySQL.
* Moment: A JavaScript date library for parsing, validating, manipulating, and formatting dates.
* Multer: A middleware for handling multipart/form-data, primarily used for uploading files.

**Frontend Packages:**

* React query: An efficient query caching client for the front-end.
* Axios: A library used to make requests to an API and return data from the API in a React application.
* React Icons: A library that includes popular icons in React projects using ES6 imports.
* React Router Dom: A library that enables client-side routing in React applications.
* SASS: A CSS pre-processor that executes Sass files on the server and sends CSS to the browser.
* Moment: A JavaScript date library for displaying dates in a human-readable format.

Using these packages and libraries, the Channel-Based Chat tool application is built and functions effectively on the backend and frontend.