CST-391

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Activity 4

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Professor Bobby Estey

A screenshot of a music album

Description automatically generated with medium confidence

Figure 1 Main Application screen

A screenshot of a music album

Description automatically generated with medium confidence

Figure 2 Artist List screen

A screenshot of a music collection

Description automatically generated

Figure 3 Album List screen

A screenshot of a music album

Description automatically generated

Figure 4 Album Display (with tracks) screen

A screenshot of a music album

Description automatically generated with medium confidence

Figure 5 Add Album screen

**Research**

Token-based authentication and session management enable Angular applications to maintain a logged-in state. The server creates a unique token (such as a JSON Web Token or JWT) and delivers it to the client when a user checks in. The client keeps this token locally and includes it in subsequent server requests' headers. To identify the user's authentication status, the server checks the authenticity and expiration of the token. The server evaluates the request and regards the user as logged in if the token is genuine. The server responds with the appropriate error code, indicating the requirement for re-authentication if the token is invalid or has expired. (Angular University, 2023)

Stateless authentication and secure communication between the client and server are made possible by this method. As an alternative, session management entails giving each authenticated user a session ID and keeping session-related information on the server. The client includes the session ID in requests, allowing the server to maintain the logged-in state. Both token-based authentication and session management effectively maintain user authentication in Angular applications while ensuring secure communication with the server. (Pankaj, 2022)

References

Angular University. (2023). Angular Authentication With JWT: The Complete Guide. Angular University. https://blog.angular-university.io/angular-jwt-authentication/

Pankaj. (2022). Session Management in Java - HttpServlet, Cookies, URL Rewriting. DigitalOcean. https://www.digitalocean.com/community/tutorials/java-session-management-servlet-httpsession-url-rewriting