Implementation Report:

Social Media Authentication in Library Management System

* I used the .NET Core scaffolding tool to generate identity pages for user registration, login, logout, and account management. I configured the database with the appropriate DbContext for storing user information. Lastly, I customized the layout and basic styling to enhance user experience.
* I integrated Google and Facebook authentication, enabling users to log in with their social media accounts. I added corresponding NuGet packages to the project. Configurations for client IDs and secrets were set using user secrets and the Program.cs file was updated accordingly.
* To update the user interface, I modified the Login.cshtml file to include a separate section for social media options with clear instructions. I implemented dynamic generation of login buttons for configured external providers like Google and Facebook, ensuring the layout was responsive and user-friendly.
* To verify social media authentication, I tested the login process by attempting to log in with configured social media accounts and confirm successful authentication and redirection. After login, I inspected my application's database to ensure a new user record is created for first-time logins or existing records are updated.
* To implement BookNotFoundException, I used an exception handler lambda by defining the BookNotFoundException class, modifying Program.cs, and throwing in relevant controller actions. I also called UseStatusCodePages in Program.cs to create the exception of accessing a non-existing page.