

Part-11 Authentication Service

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What is

HardCodedServiceAuthentication.

Step1 : ng g s service/hardcodedAuthentication

Change Login.ts logic

```
handleLogin() {  
  if (this.hardAuthService.authenticate(this.username, this.password)) {  
    this.router.navigate(["welcome", this.username]);  
  } else {  
    this.message = "invalid credentials";  
    this.valid = false;  
  }  
}
```

Window.sessionStorage

- A page session lasts as long as the browser is open, and survives over page reloads and restores.
- **Opening a page in a new tab or window creates a new session with the value of the top-level browsing context, which differs from how session cookies work.**
- **Opening multiple tabs/windows with the same URL creates sessionStorage for each tab/window.**
- **Closing a tab/window ends the session and clears objects in sessionStorage**

Session Auth setting

```
isUserLoggedIn() {  
  let user = sessionStorage.getItem("authenticatedUser");  
  return !(user === null);  
}
```

```
authenticate(username, password) {  
  if (this.isUserLoggedIn) {  
    if (username === "santosh" && password === "santosh") {  
      sessionStorage.setItem("authenticatedUser", username);  
      return true;  
    }  
  }  
  return false;  
}
```

Enabling Menu.ts according User logged in

```
<ul class="navbar navbar-nav">
  <li>
    <a *ngIf="hardCodedAuth.isUserLoggedIn()" routerLink="/welcome/Infinx services" class="nav-link"
      >Home</a>
  </li>
  <li><a *ngIf="hardCodedAuth.isUserLoggedIn()" routerLink="/todos" class="nav-link">Todos</a></li>
</ul>
<ul class="navbar-nav navbar-collapse justify-content-end">
  <li><a *ngIf="!hardCodedAuth.isUserLoggedIn()" routerLink="/login" class="nav-link">Login</a></li>
  <li><a *ngIf="hardCodedAuth.isUserLoggedIn()" routerLink="/logout" class="nav-link">Logout</a></li>
</ul>
</nav>
</header>
```

All The Best.

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