Name: Mrunali Katta

ID : 017516785

DATA 236 – Homework 03

1. Routes- Handled Separately in a router 4 points

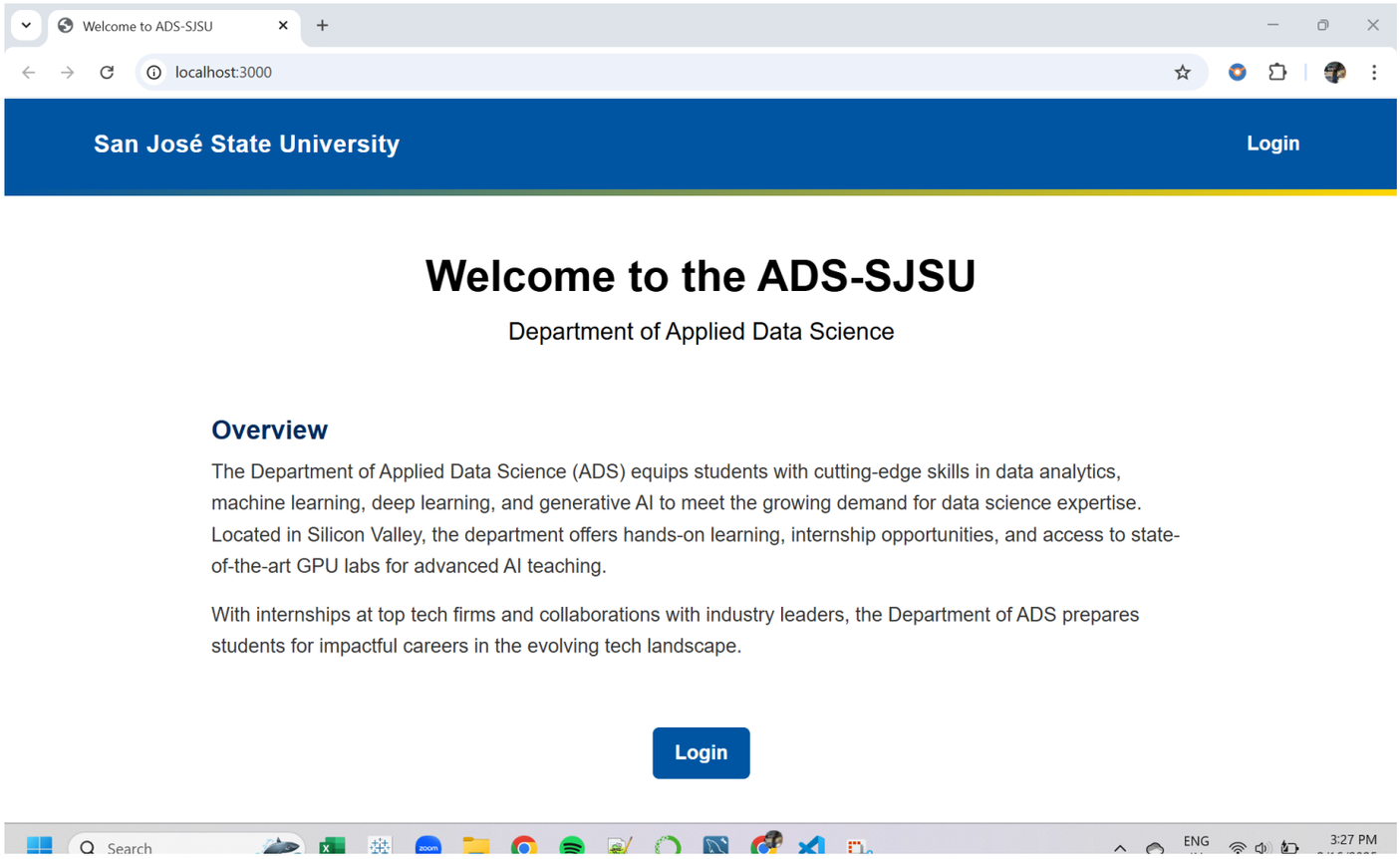
Home Page (/):

Display a welcome message for ADS-SJSU

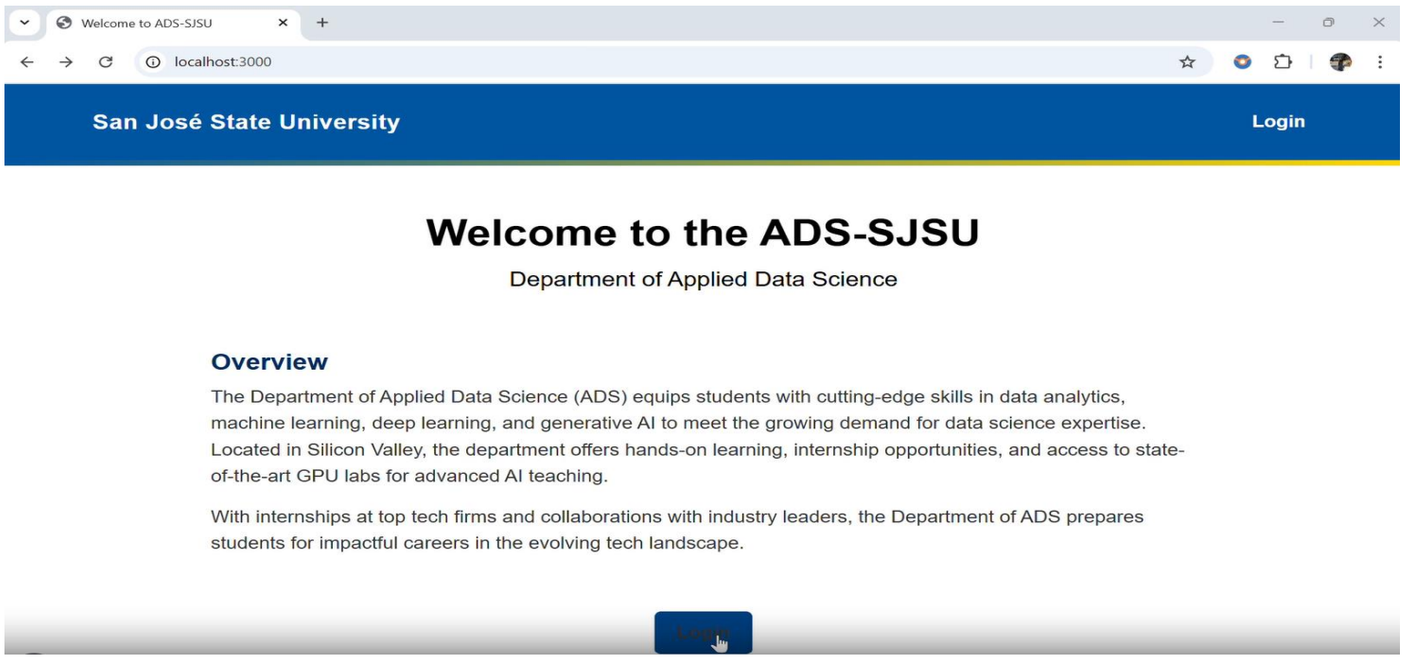
Show a link to the login page if the user is not logged in.

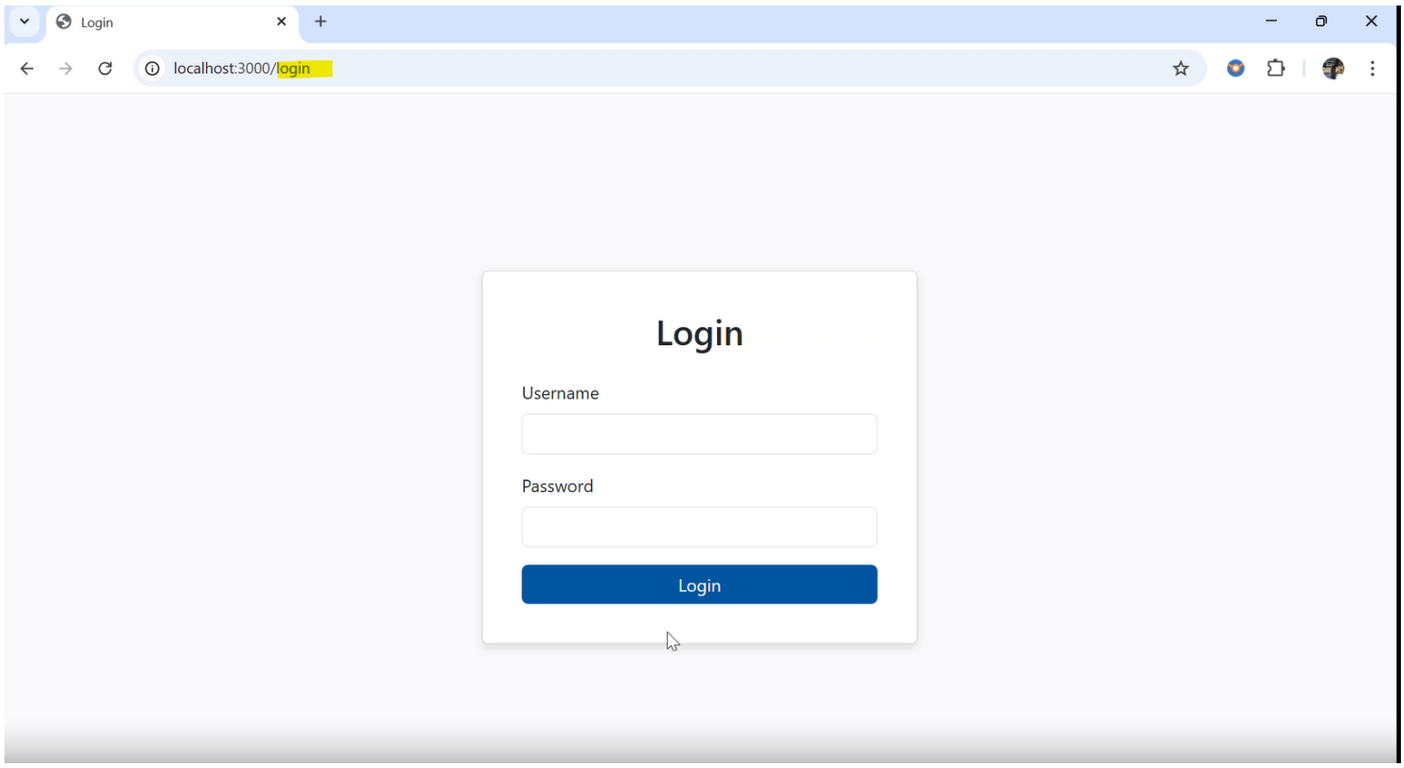
Show a link to the dashboard and logout if the user is logged in.

Homepage

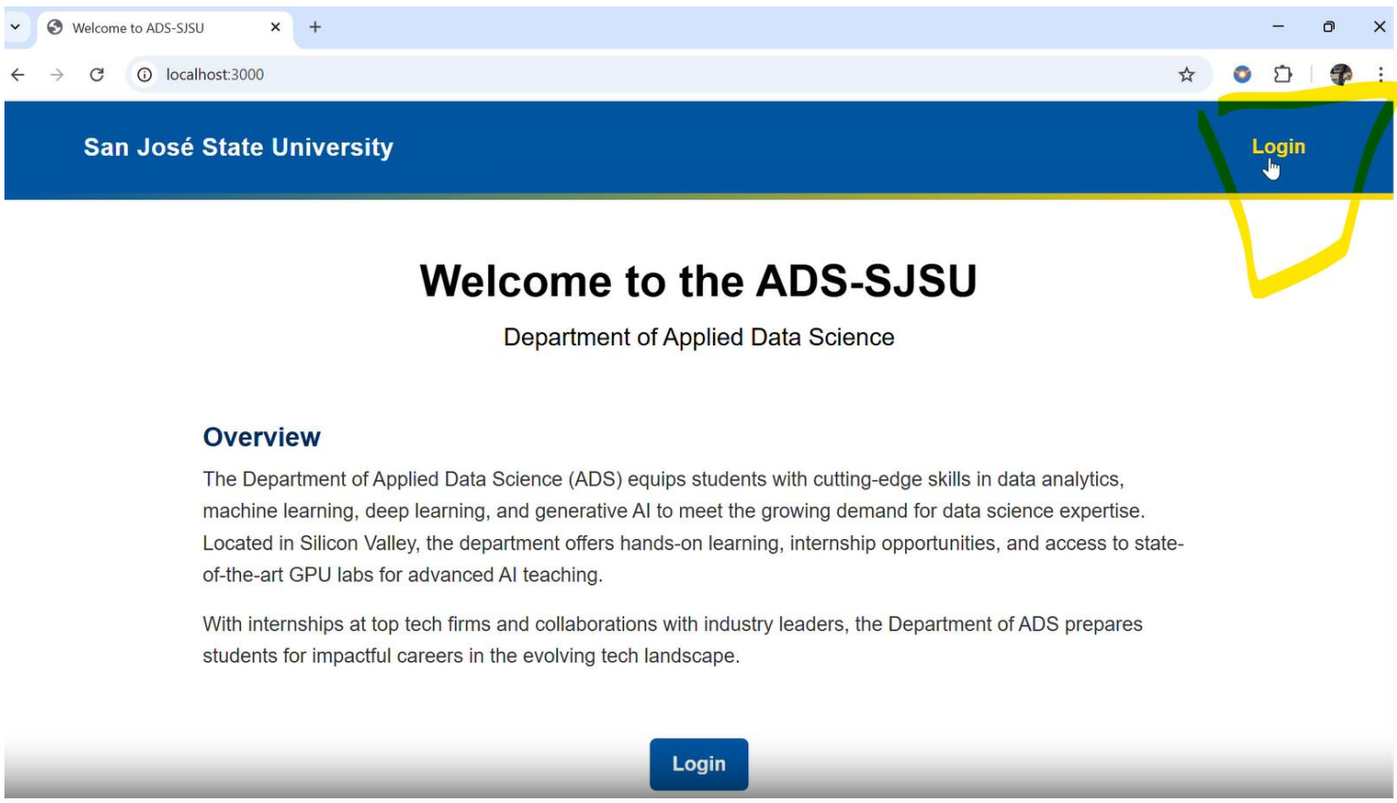


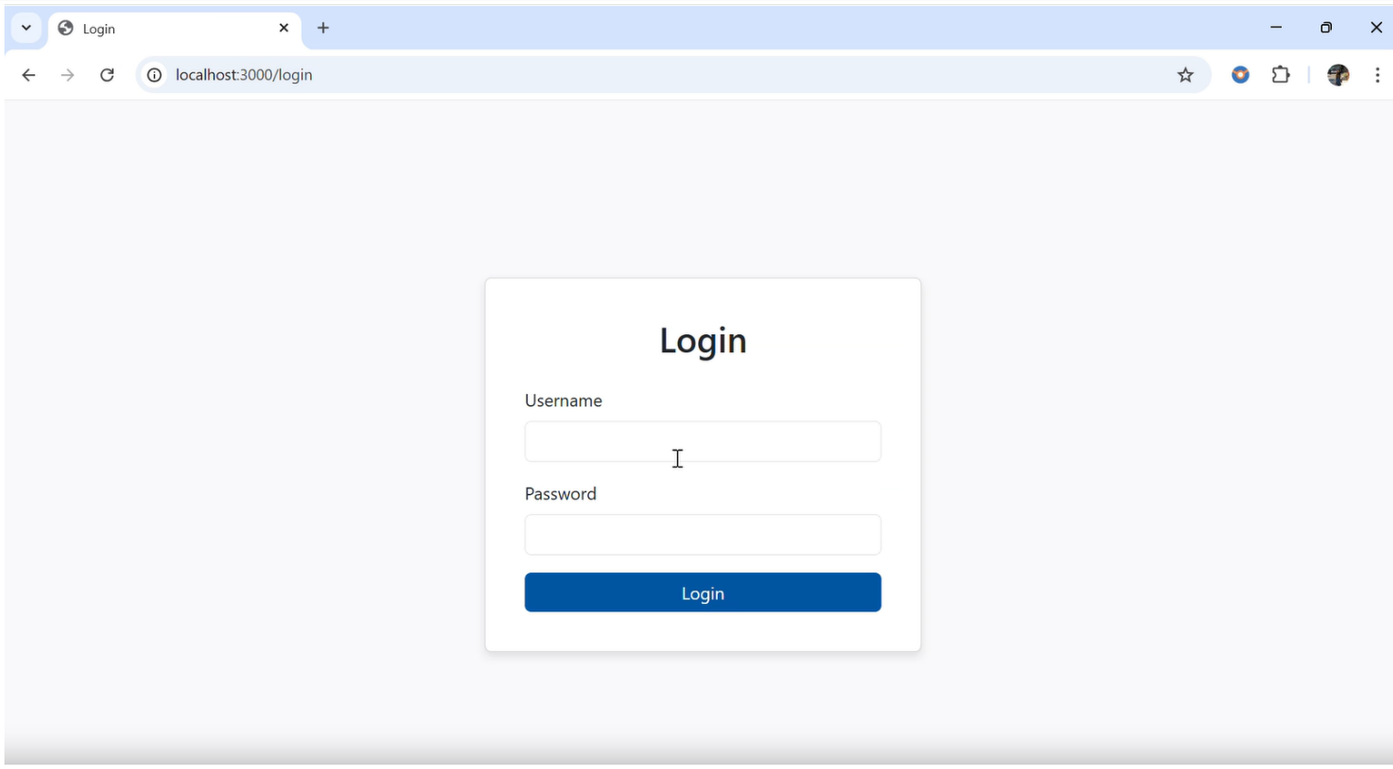
Login using the **Login button**





Login using Login clickable link on the homepage navbar





Login Page (/login):

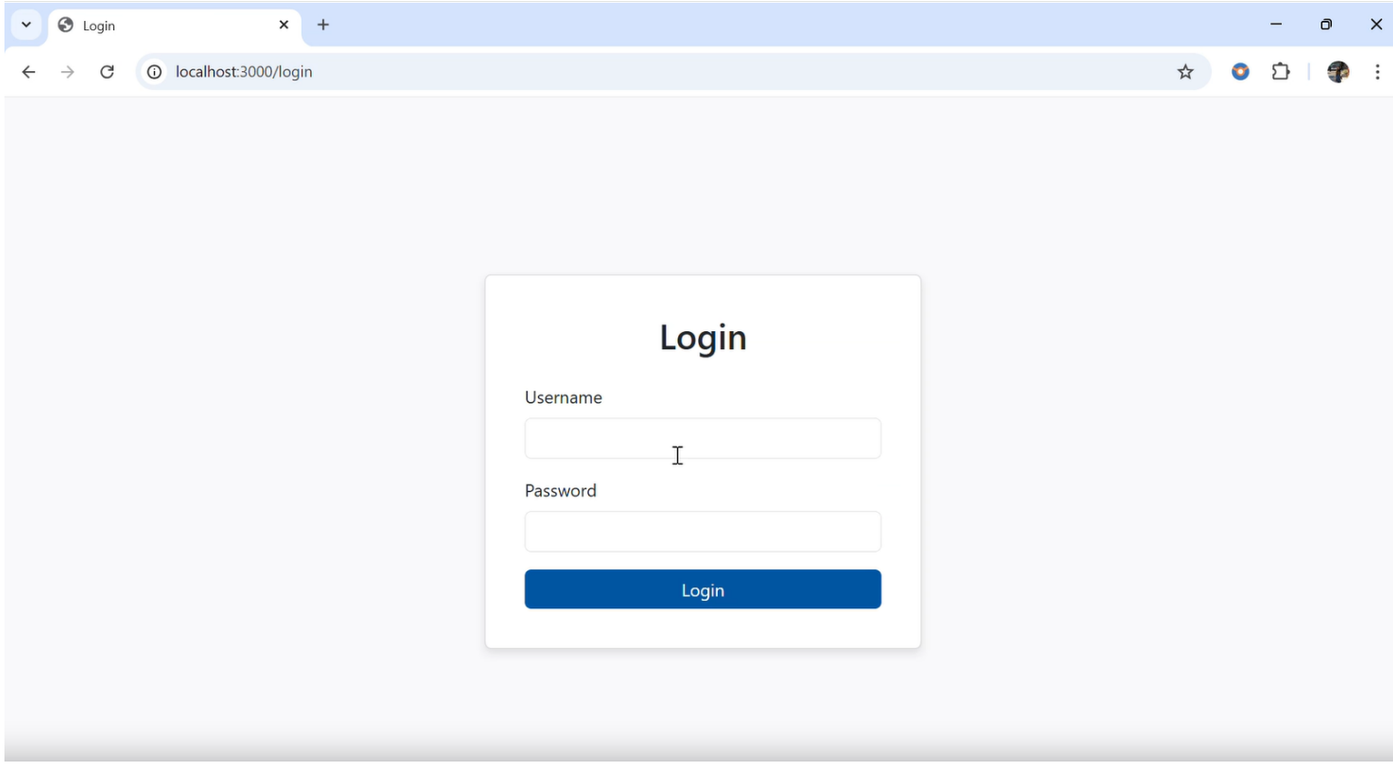
Display a login form with fields for username and password.

Validate the credentials and log the user in if they are correct.

Redirect to the dashboard on successful login.

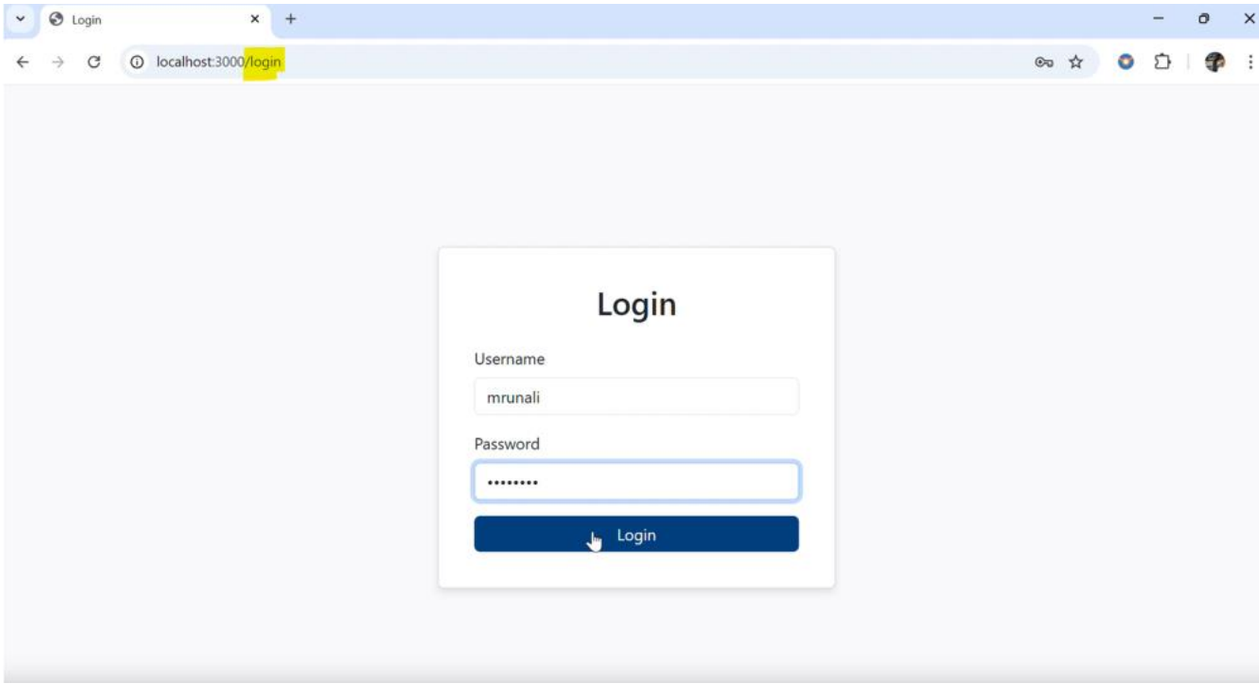
Login Page

Login form with username and password



Here the username is set to Mrunali and password entered is admin123

```
// login creds
const users = [
    { id: 1,
        username: 'mrunali',
        password: bcrypt.hashSync('admin123', 8)
    }
];
```



Dashboard Page (/dashboard):

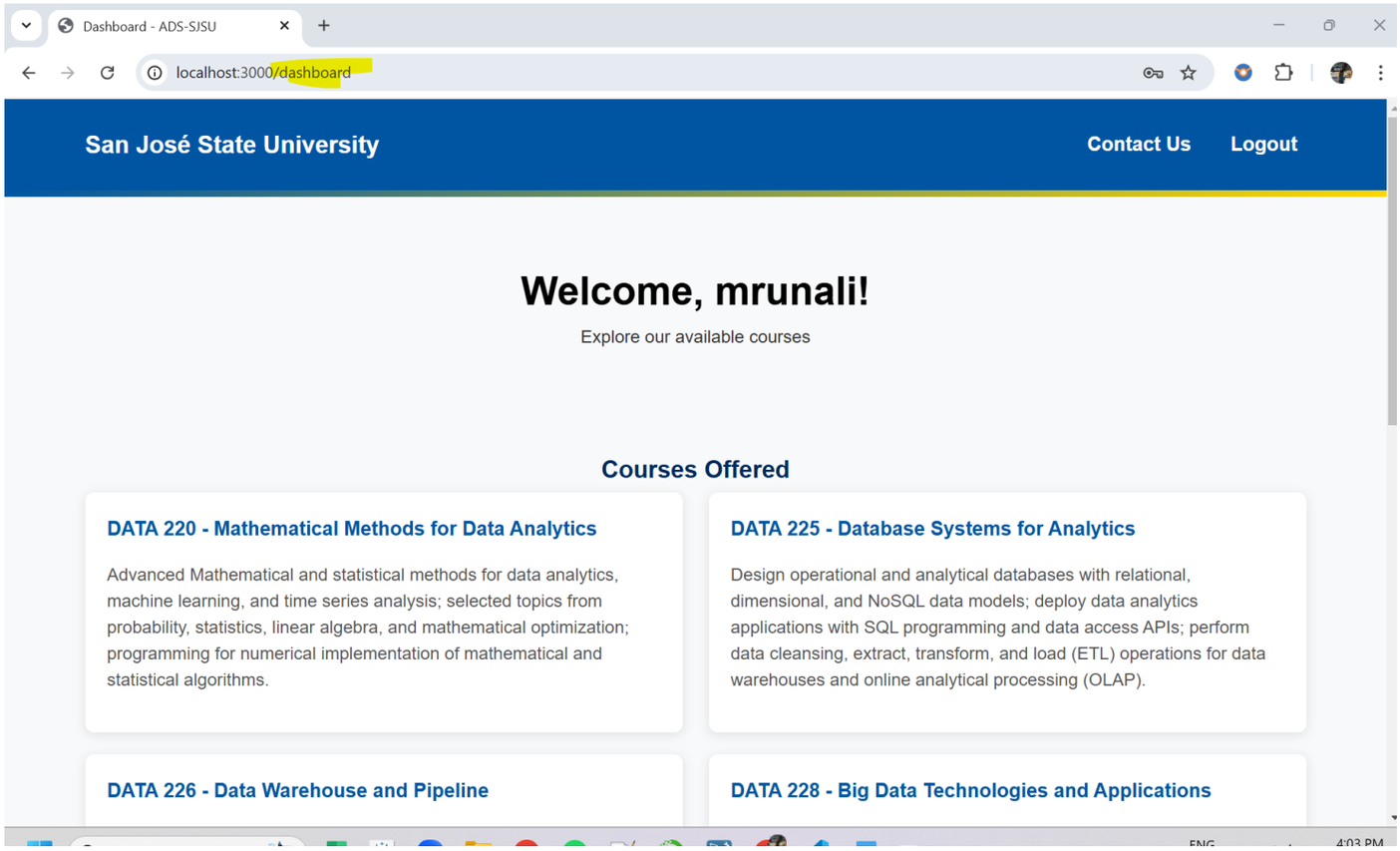
Display a welcome message with the user's name.

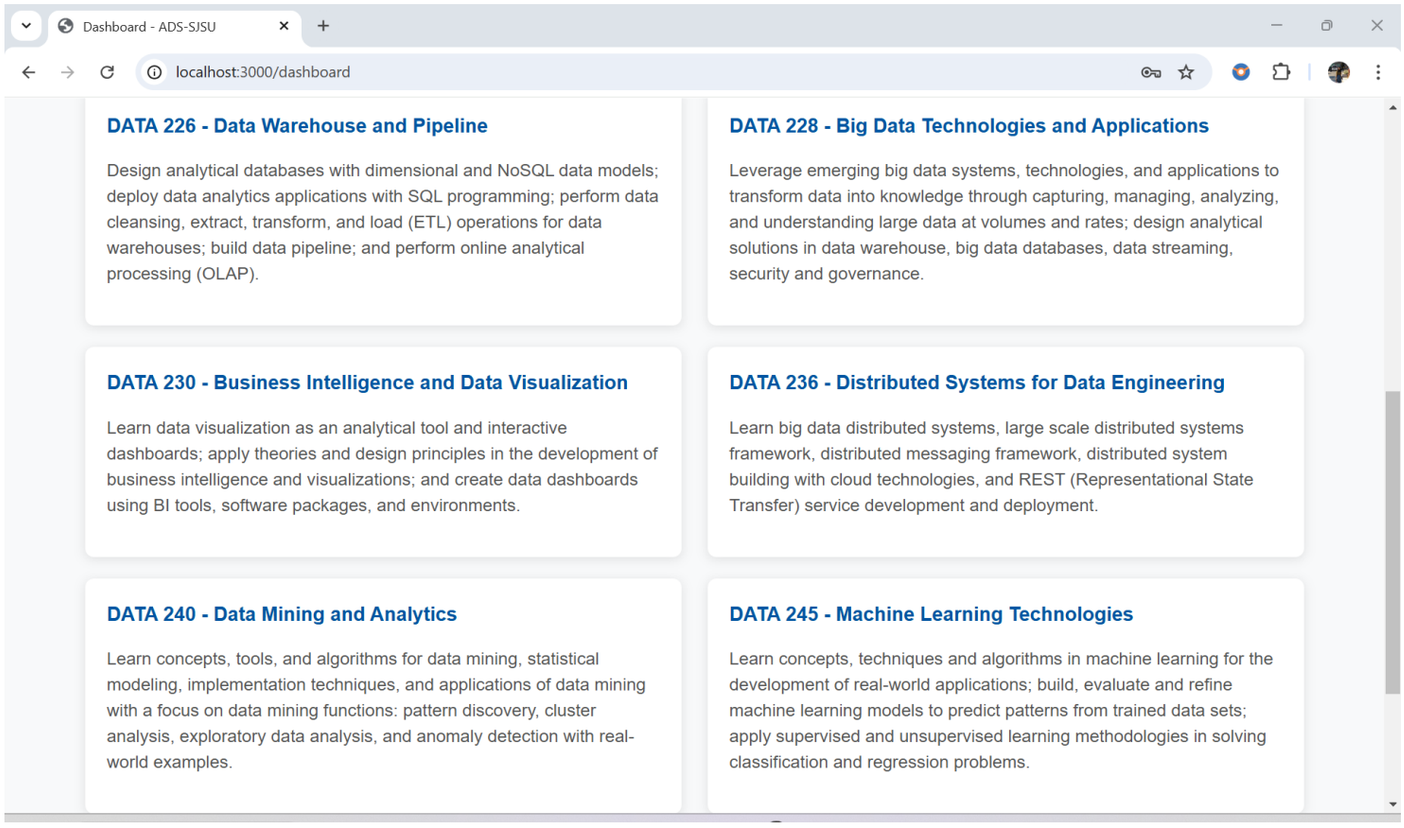
Show a logout link.

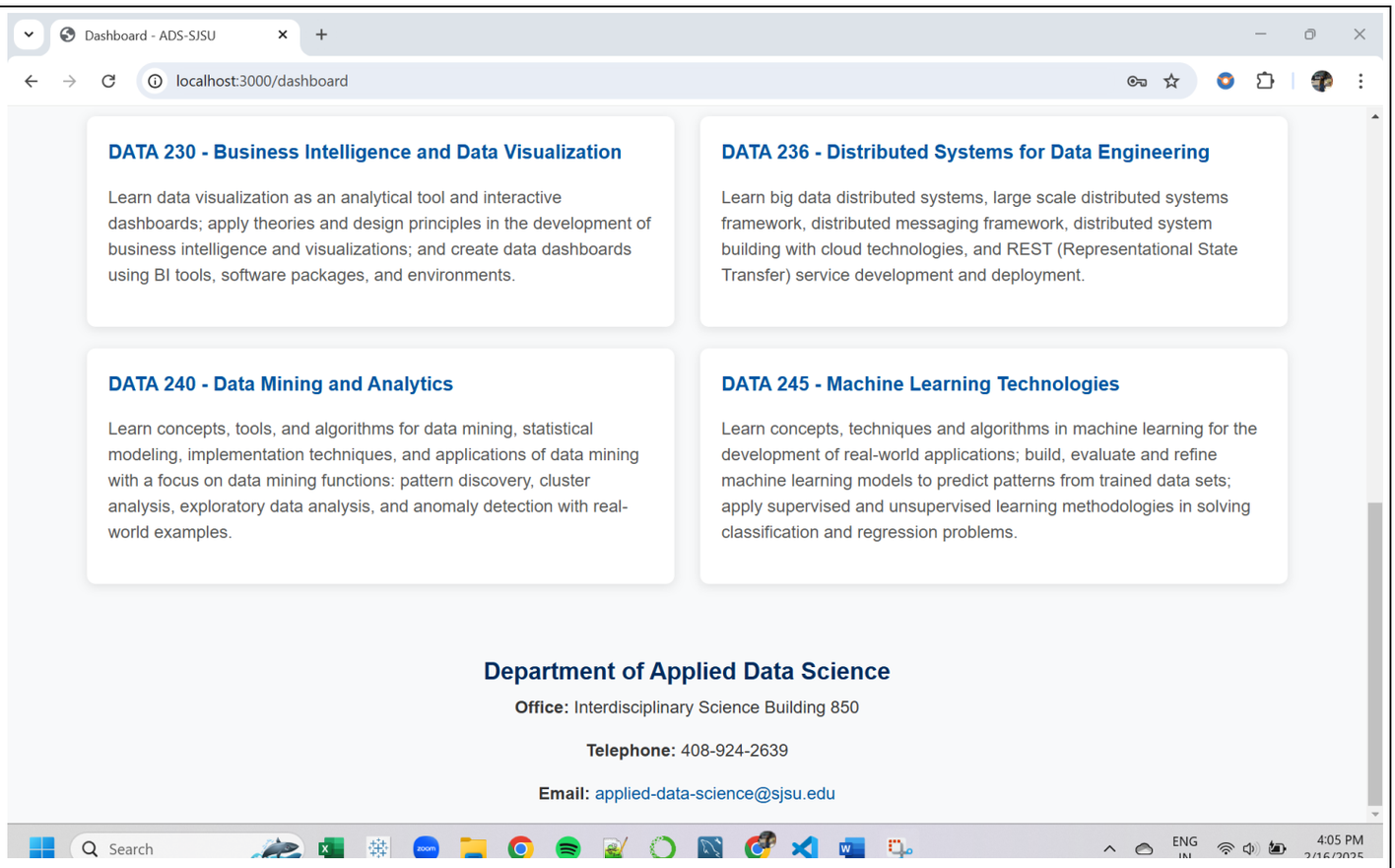
Protect this route so only logged-in users can access it.

After user enter's login credentials, the user is now logged in to the Dashboard page where 8 courses are displayed with the course names and their respective course description[description referred from sjsu ads department website]

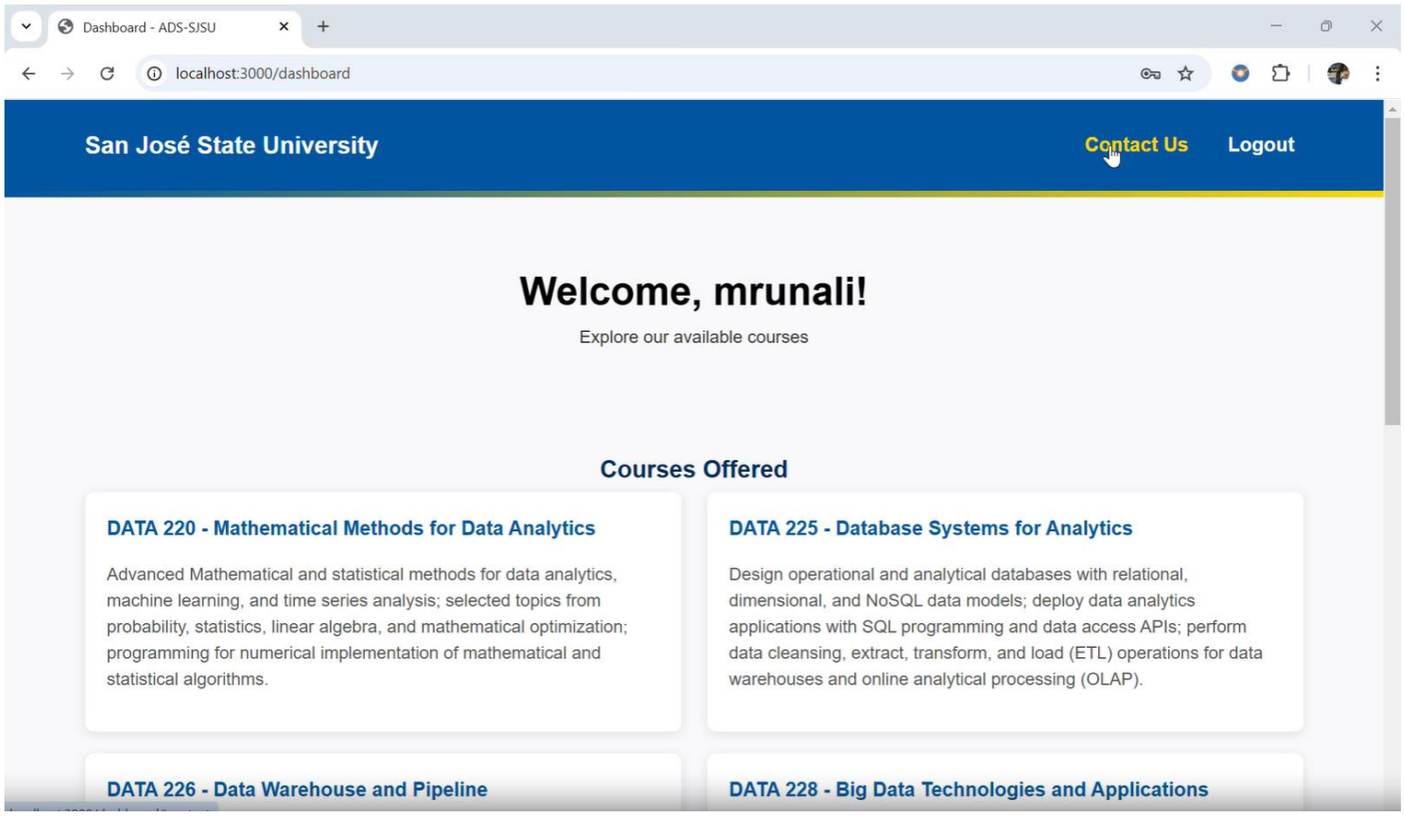
Dashboard Page

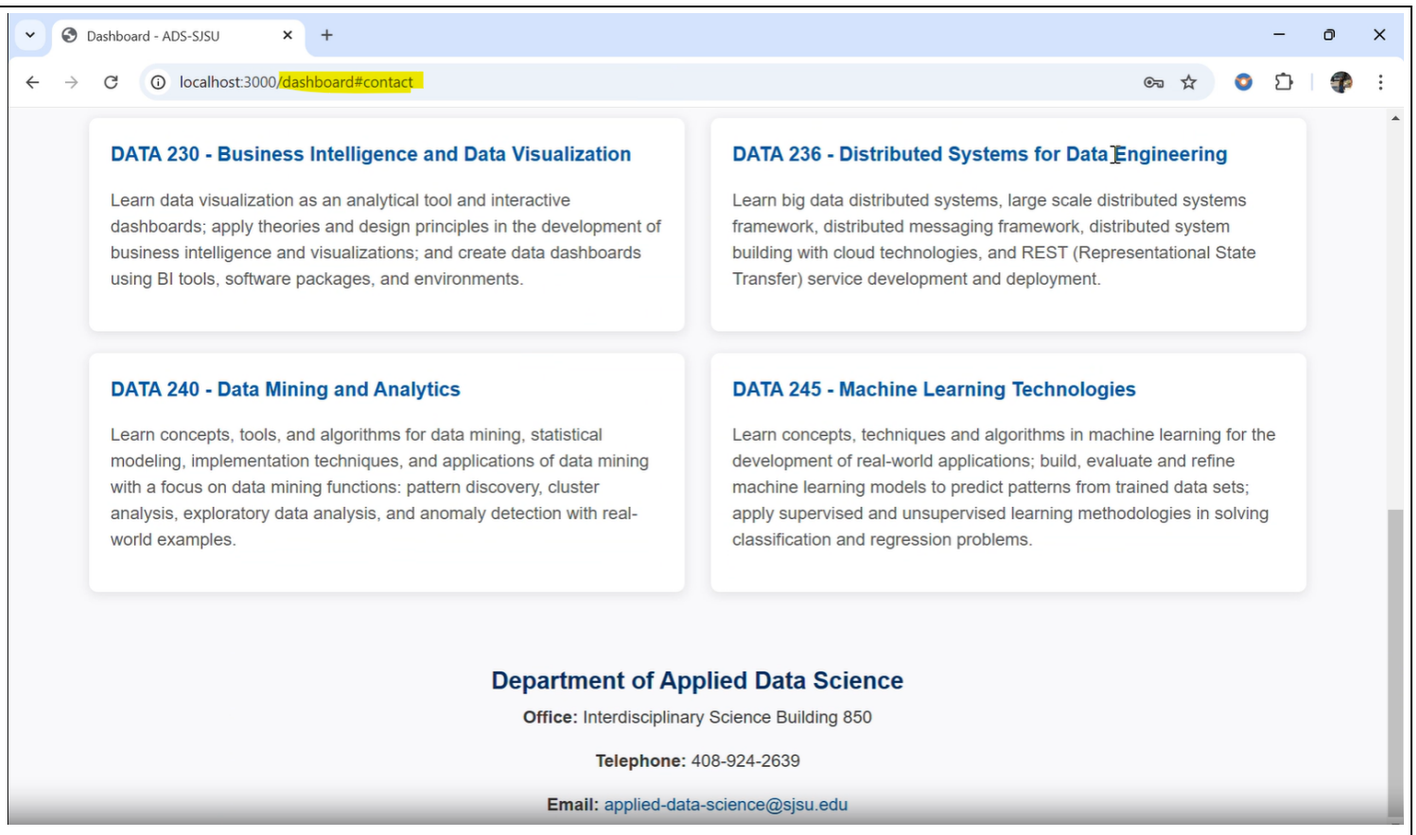






Also added **Contact Us** , a clickable link on the dashboard page. Upon clicking it scrolls to shows the department contact details

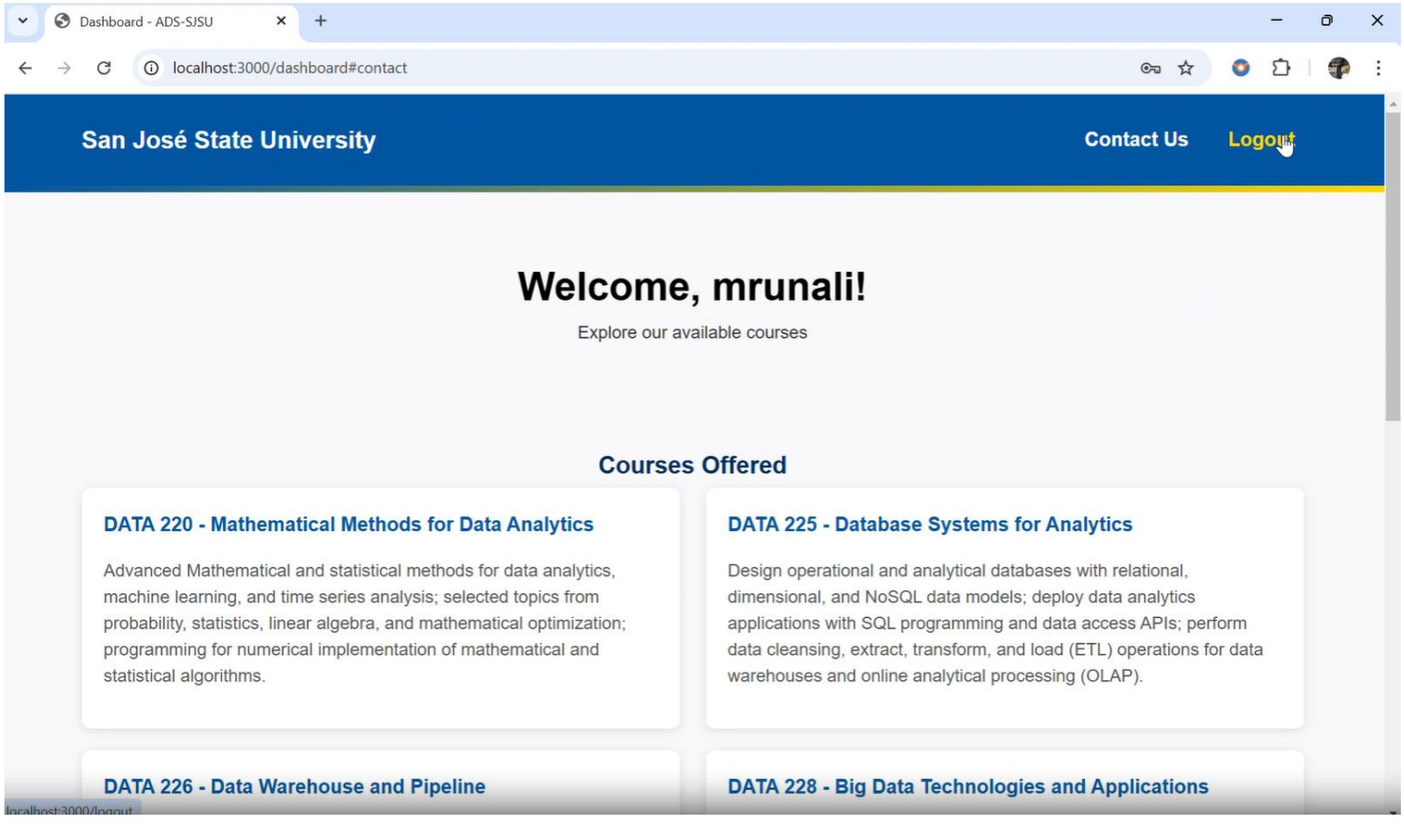


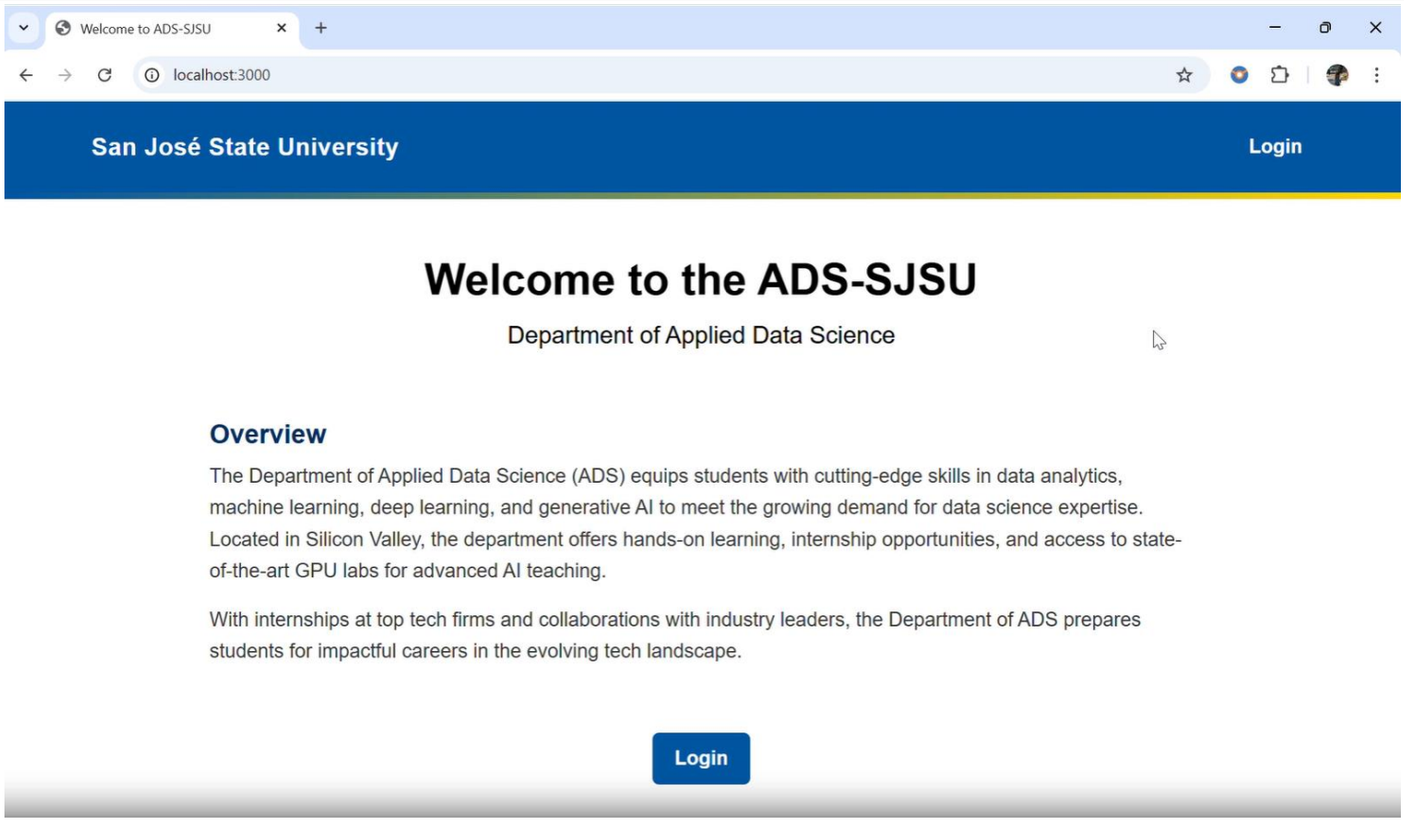


Logout (/logout):

Destroy the session and redirect the user to the home page.

And once user clicks on the navbar logout button, it **redirects user back to the Homepage**





2. Session Management- 4 points

Use express-session to manage user sessions.

Store the logged-in user's information in the session.

Ensure that the session cookie is secure

3. Styling with Bootstrap – 2 points

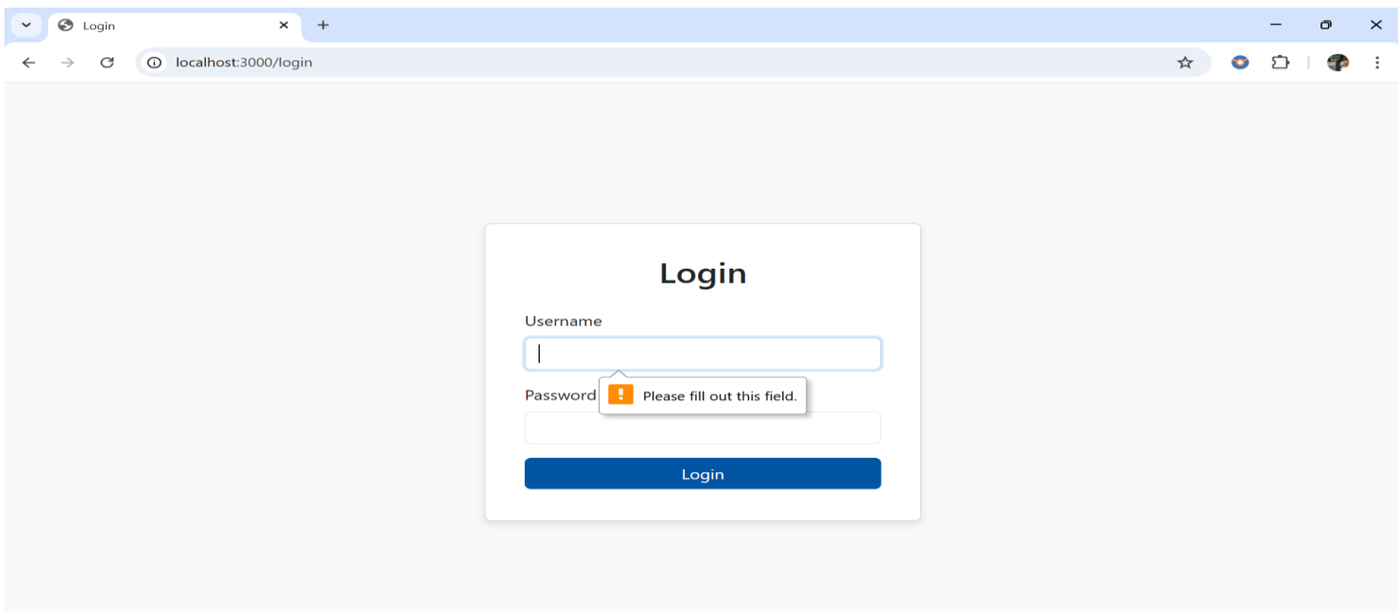
Use Bootstrap to style all pages.

Make the application responsive and visually appealing.

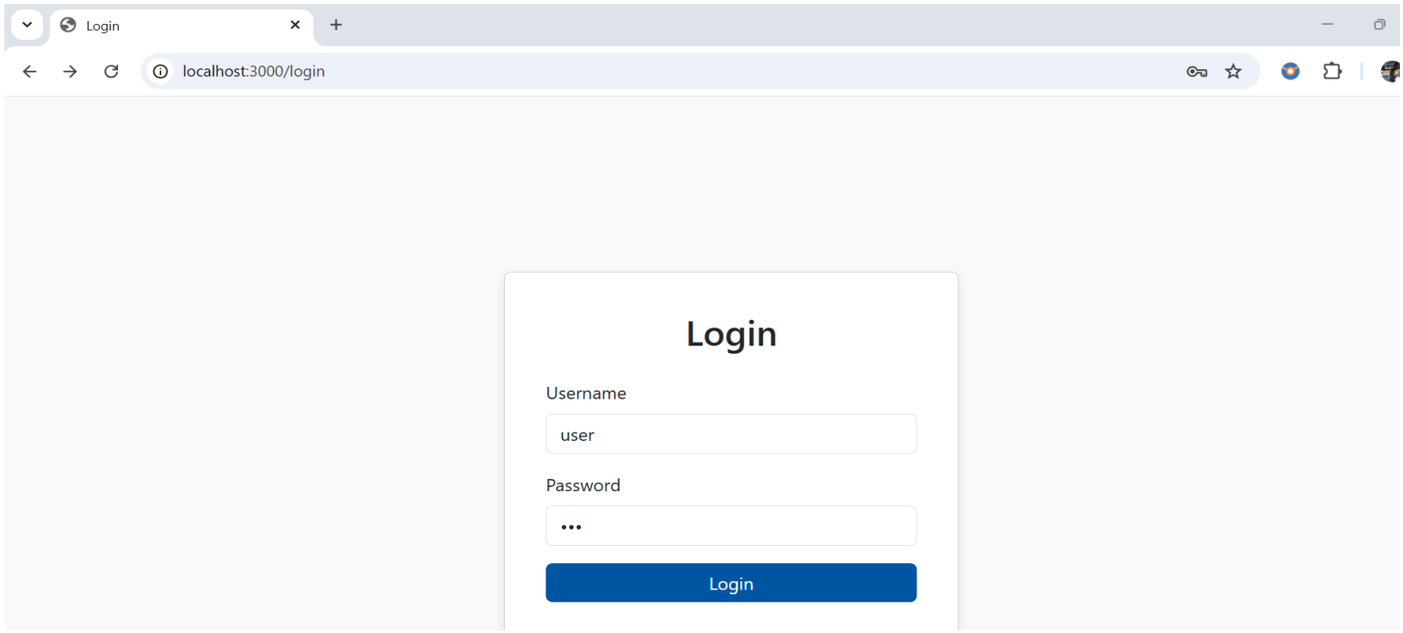
Use Bootstrap components like: Navbar for navigation, Cards for forms and content, Buttons and alerts for actions and messages.

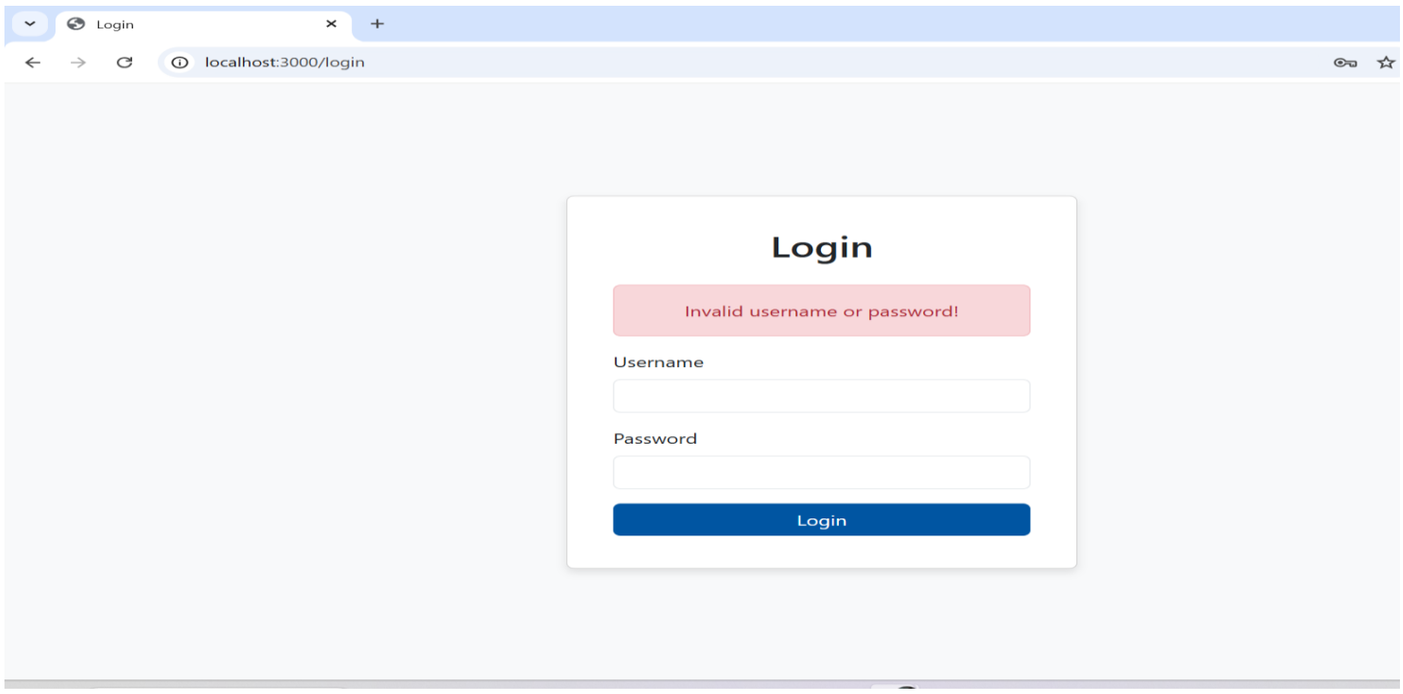
Navbar for navigation, Cards for forms and content, Buttons and alerts for actions and messages.

If user clicks on login button without entering username or password.



If user enter's invalid credentials and clicks on login button. Error message: **"Invalid username or password!"** is shown.





app.js code

```
const express = require('express');
const session = require('express-session');
const bodyParser = require('body-parser');
const path = require('path');

const app = express();
const authRouter = require('./routes/auth');

// Middleware
app.use(bodyParser.urlencoded({ extended: true }));
app.use(session({
    secret: 'your-secret-key',
    resave: false,
    saveUninitialized: true,
    cookie: { secure: false }
}));
```

```
// Set up EJS
app.set('view engine', 'ejs');
app.set('views', path.join(__dirname, 'views'));
app.use('/', authRouter);

// homepage route - GET
app.get('/', (req, res) => {
    res.render('index', { user: req.session.user });
});

// Start server
const PORT = 3000;
app.listen(PORT, () => console.log(`Server running on http://localhost:${PORT}`));
```

VS Code Folder structure . separate routes folder with auth.js file for all routes