COLLEGE CODE:[8223]

COLLEGE NAME: [vandayar engineering college]

DEPARTMENT: [Computer science and engineering]

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ROLL NO:[822323104004]

DATE:[26.09.2025]

Completed the project named as

Phase-3

TECHNOLOGY PROJECT NAME: Event Scheduling App

SUBMITTED BY,

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PROJECT SETUP:

- ❖ **Create repository in GitHub and set up branching strategy.**
- ❖ **Initialize frontend (React) and backend (Node.js/Express) folders.**
- ❖ **Configure database connection (PostgreSQL / MongoDB).**
- ❖ **Install core dependencies and set up environment variables.**
- ❖ **Establish folder structure for scalability (components, services, tests).**
- ❖ **Set up Continuous Integration (CI) pipeline for automated builds.**

Core Features Implementation :

- ❖ User registration and login with secure authentication.
- ❖ Event creation and editing for organizers.
- ❖ Display of upcoming events in calendar or list view.
- ❖ RSVP and attendee management for users.
- ❖ Real-time updates or automatic refresh of event list.
- ❖ Notification or email alerts for event changes.

Data Storage (Local State & Database) :

- ❖ Use Redux/Context API to manage local UI state.

- ❖ **Store event and user data in PostgreSQL or MongoDB collections/tables.**
- ❖ **Implement CRUD operations for events and RSVPs.**
- ❖ **Securely hash and store user credentials.**
- ❖ **Create backup and restore strategies for database.**
- ❖ **Optimize queries to handle large event datasets efficiently.**

Testing Core Features :

- ❖ **Write unit tests for critical frontend components and backend services.**
- ❖ **Perform integration testing for API endpoints.**

- ❖ **Conduct manual testing of user flows (login, create event, RSVP).**
- ❖ **Implement automated test scripts to catch regressions.**
- ❖ **Test performance and scalability with sample data.**
- ❖ **Document issues and track fixes in GitHub Issues board.**

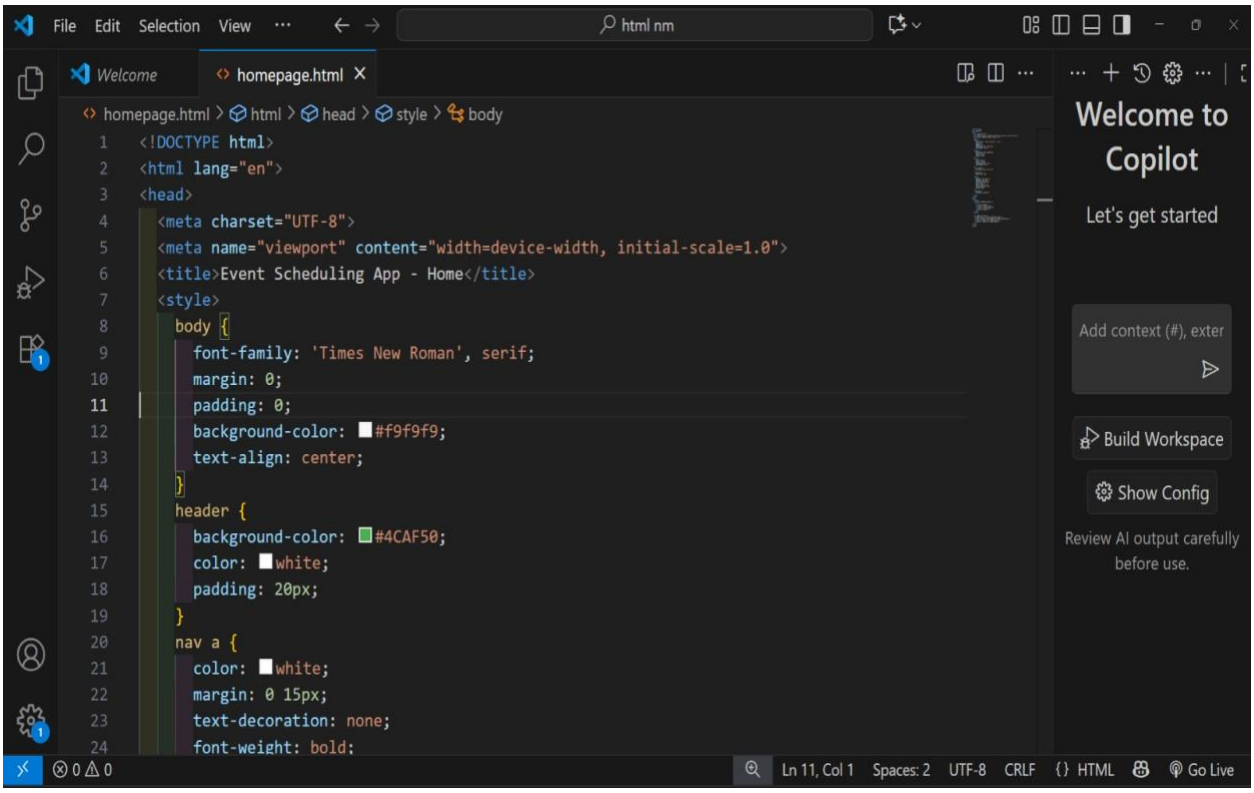
VERSION CONTROL (GITHUB) :

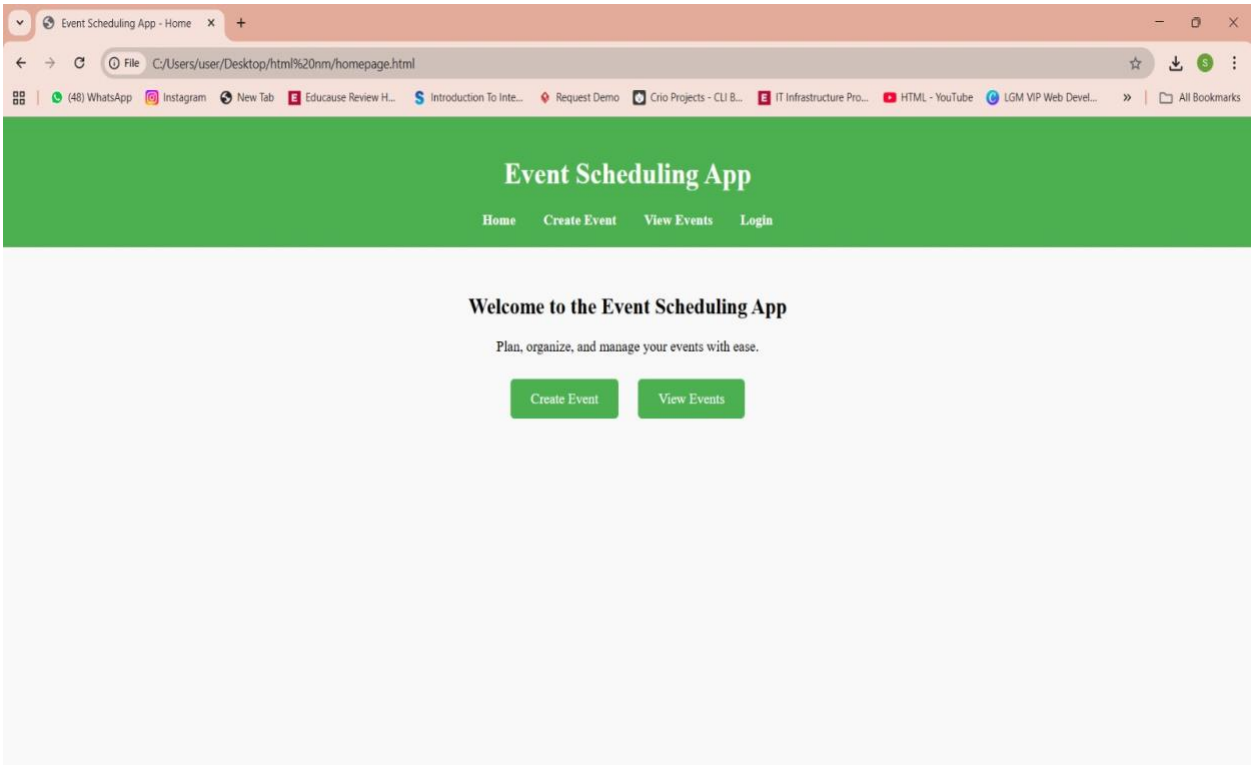
- ❖ **Follow a clear branching model (main/develop/feature branches).**
- ❖ **Use pull requests and peer reviews before merging.**
- ❖ **Tag stable releases for milestone tracking.**

❖ **Enable GitHub Actions for CI/CD pipelines.**

❖ **Maintain detailed commit messages and changelogs.**

❖ **Protect main branch with review and test requirements.**




Event Scheduling App - Home
File C:/Users/user/Desktop/html%20nm/homepage.html
(48) WhatsApp
Instagram
New Tab
Educause Review H...
Introduction To Inte...
Request Demo
Crio Projects - CLI B...
IT Infrastructure Pro...
HTML - YouTube
LGM VIP Web Devel...
All Bookmarks
Event Scheduling App
Home
Create Event
View Events
Login
Welcome to the Event Scheduling App
Plan, organize, and manage your events with ease.
Create Event
View Events