

Interactive Weekly Agenda

A modern, interactive weekly agenda web app built with React. It features task management, role selection, theme switching (light/dark), and language switching (Spanish/English). Designed for students, teachers, administrators, and parents.

💡 Features

- **Task Management:** Add, view, and manage tasks for each day of the week.
- **Role Selection:** Choose your role (Administrator, User, Guest) for a personalized experience.
- **Theme Switcher:** Toggle between light and dark mode.
- **Language Switcher:** Instantly switch between English and Spanish.
- **Responsive Design:** Works on desktop and mobile.
- **Modular CSS:** Clean, maintainable, and themeable styles.
- **Unit Testing:** All main components are covered by Jest and React Testing Library.

📁 Folder Structure

```
interactive-weekly-agenda/
├── public/
└── src/
    ├── components/
    │   ├── AppRoutes.jsx
    │   ├── AppRoutes.test.jsx
    │   ├── ChangeLanguage.jsx
    │   ├── ChangeLanguage.test.jsx
    │   ├── RoleSelector.jsx
    │   ├── RoleSelector.test.jsx
    │   ├── TaskCard.jsx
    │   ├── TaskCard.test.jsx
    │   ├── TaskForm.jsx
    │   ├── TaskForm.test.jsx
    │   ├── TaskListModal.jsx
    │   ├── TaskListModal.test.jsx
    │   ├── TaskModal.jsx
    │   ├── TaskModal.test.jsx
    │   ├── ThemeSwitcher.jsx
    │   ├── ThemeSwitcher.test.jsx
    │   └── WeekBoard.jsx
    ├── context/
    │   └── AppContext.jsx
    ├── pages/
    │   └── Dashboard.jsx
    ├── styles/
    │   ├── base/
    │   ├── components/
    │   ├── themes/
    │   ├── utilities/
    │   └── index.css
    └── App.jsx
    package.json
    README.md
```

❖ Component Architecture

```
graph TD
    App -->AppRoutes;
    AppRoutes -->|role not selected|RoleSelector;
    AppRoutes -->|role selected|Dashboard;
    Dashboard -->ThemeSwitcher;
    Dashboard -->ChangeLanguage;
    Dashboard -->WeekBoard;
    WeekBoard -->TaskCard;
    TaskCard -->TaskModal;
    TaskCard -->TaskListModal;
    TaskModal -->TaskForm;
```

🌐 Theme & Language System

- **Theme:** Uses CSS variables and the `data-theme` attribute for light/dark mode. All styles are modular and theme-aware.
- **Language:** All UI text is dynamically switched between English and Spanish. Only the visible UI text changes; all code, comments, and variables are in English.

🛠 How to Run

1. Install dependencies:

```
npm install
```

2. Start the development server:

```
npm start
```

3. Open in your browser:

<http://localhost:3000> (<http://localhost:3000>)

✍️ Running Tests

All main components are covered by unit tests using Jest and React Testing Library.

To run all tests:

```
npm test
```

📄 Contributing

1. Fork this repository
 2. Create a new branch (git checkout -b feature/your-feature)
 3. Commit your changes (git commit -am 'Add new feature')
 4. Push to the branch (git push origin feature/your-feature)
 5. Create a new Pull Request
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📄 License

This project is licensed under the MIT License.

💡 Additional Notes

- All code, comments, and variable names are in English for maintainability.
- UI text is available in both English and Spanish, switchable via the language toggle.
- For more details on the CSS structure, see <src/styles/README.md> (<src/styles/README.md>).