

# Steps taken to build and integrate components

1. **Purpose:**  
Identified the purpose of the component and reusability across pages.
2. **Structure:**  
Placed the component in an appropriate folder structure for better organization e.g. /components.
3. **Creating:**  
Created the component and implemented the necessary logic.
4. **Styling:**  
Used Tailwind CSS to style the component and add breakpoints to make the component responsive across multiple devices.
5. **Testing:**  
Tested whether the components and its elements behave as expected.
6. **Integration:**  
Imported the components at the root of the directory i.e. layout.tsx or the pages where needed

## Best practices followed during development

- Used descriptive variable and function names, and added comments where necessary.
- Broke the code into smaller, reusable functions or components. This reduced duplication and increased maintainability.
- Validated user input fields.
- Stored sensitive information like projectId, dataset and token in .env.local.
- Used useEffect to fetch data before the component loads.
- Used useState to show real time changes.
- Provided meaningful error messages to users.
- Tested the project on multiple browser.
- Made it responsive across multiple devices.