

Project demo planning:

1. **Define Requirements:** Clearly outline the features and functionality needed, such as user authentication, travel request submission, approval workflow, notifications, and reporting.
2. **Choose a Technology Stack:** Decide on the programming language, framework, and database for your application. Common choices include Node.js, Django, Flask, or Ruby on Rails for the backend, and React, Angular, or Vue.js for the frontend.
3. **Database Design:** Design a database schema to store information about employees, travel requests, and approvals.
4. **User Authentication:** Implement secure user authentication to ensure only authorized users can access the system.
5. **Travel Request Form:** Create a form for employees to submit travel requests. Include necessary details like travel dates, destination, purpose, and estimated expenses.
6. **Approval Workflow:** Design a workflow for managers to review and approve travel requests. This may involve multiple approval levels.
7. **Notification System:** Implement a notification system to keep users informed about the status of their travel requests.
8. **Reporting and Analytics:** Develop reporting features to track travel expenses, approvals, and other relevant data. This helps in decision-making and auditing.
9. **Testing:** Conduct thorough testing to identify and fix bugs. Include unit testing, integration testing, and user acceptance testing.
10. **Deployment:** Deploy your application on a secure server. Consider using cloud services like AWS, Azure, or Google Cloud.
11. **Documentation:** Create documentation for users and developers. Include instructions on how to use the application and any technical details.
12. **Training:** Provide training sessions for end-users and administrators to ensure they can effectively use and manage the application.
13. **Feedback and Iteration:** Collect feedback from users and stakeholders to make necessary improvements. Iterate on the application based on user experience and changing requirements.

