



The state diagram for generating an itinerary in TravelBuddy shows the transitions between different system states as the itinerary is created. It starts with collecting user preferences, which, once submitted, move the system to the state of requesting travel data. After receiving data, the itinerary is generated and saved. The final state is when the itinerary is ready for the user. If an error occurs, such as an API failure or a save failure, the system transitions to an error state, allowing the user to retry or abort the process. This diagram highlights the step-by-step progression and error handling in the system.