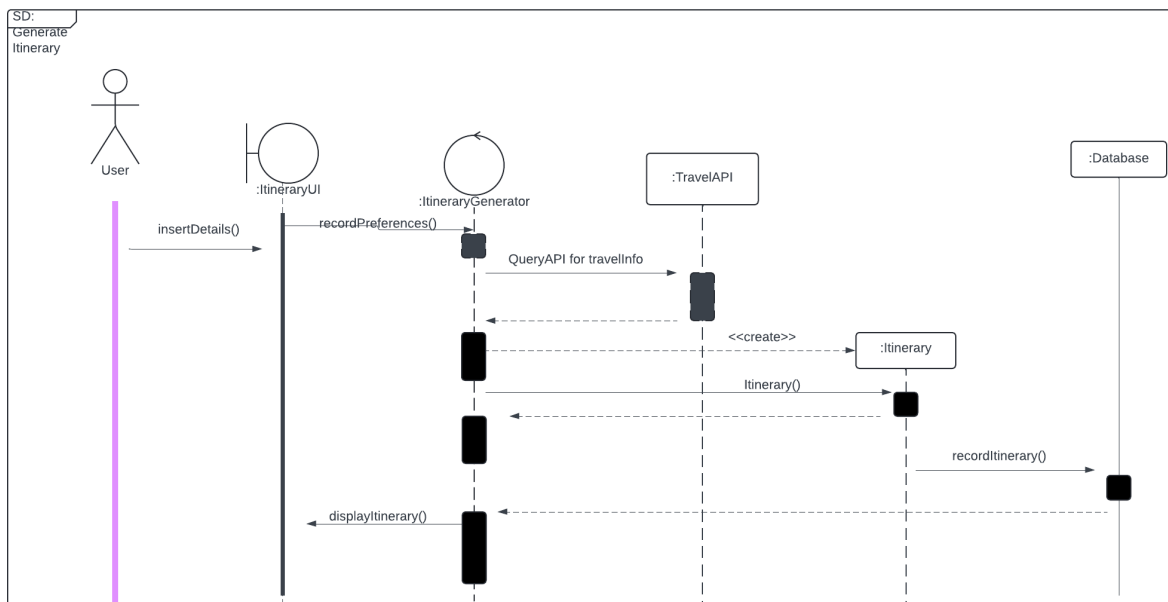Osaze Ogieriakhi & Monica Kim

CPTS322 Fall 2024

TravelBuddy

Sequence Diagram

The sequence diagram for generating an itinerary in TravelBuddy outlines the step-by-step flow of interactions between system components. The process starts with the User triggering the request by calling the `generateItinerary()` function. This request is passed to the ItineraryGenerator through the ItineraryUI. Next, the **ItineraryGenerator** sends a request to the TravelAPI to gather real-time travel data. Once the data is received, the generator processes it along with user preferences to create the final itinerary. The ItineraryGenerator then calls recordItinerary() on the Database. Finally, the completed itinerary is sent back to the User. This diagram emphasizes the chronological order of interactions and highlights how system components collaborate to fulfill the itinerary generation process.