Diagram, treemap chart

Description automatically generated

The Trip class represents the common behavior for all trip packages. It provides an organize\_trip method that performs all the basic steps of a trip, and default methods for the activities. In this diagram, Trip is the base class, and PackageA, PackageB, PackageC, and PackageD are subclasses that inherit from Trip. The Trip class has attributes for the transport and activities, as well as methods for organizing the trip and performing the activities. The subclasses override the activity methods to provide their own unique activities.