1. A close-up of a diagram

   Description automatically generatedIn this section, we will build a base implementation framework for using camel within a Spring Container.
2. We will cover the basic concepts like how routes are processed.
3. **Route** is nothing but flow definition of Camel **Exchange** from reading data from one endpoint and sending data to another endpoint with optional intermediate injector steps such as.
   1. Data Manipulation activities (as mentioned below) and are accomplished through **the processors, beans, converters, or other helper classes**.
      1. **Transformation.**
      2. **Enrichment.**
      3. **Aggregation.**
      4. **Correlation.**
4. **Spring Boot container** initiates **Camel Context.**
5. **Camel Context** is a **framework** built to understand **Camel Specific Language** called **DSL**.
6. DSL:
   1. can be defined (to define routes) in.
      1. XML.
      2. Java.
   2. DSL is something that can help us to define routes.
   3. Route is nothing but flow definition of reading data from one endpoint sending it to other endpoint.
7. **Exchange**:
   1. The data within the route is encapsulated in **Exchange object**.
   2. Exchange object has certain properties and ID.
   3. Every Exchange object has In-message format and Out-message format.
      1. Both have collection of
         1. Headers and
         2. Bodies.
         3. Attachments.
   4. At any route, we can traverse through these exchange objects and find out what was sent to this route and what was sent out from this route.
8. **Summary**:
   1. Route that gets data from one endpoint and sends data to another endpoint.
   2. Route is nothing but flow definition of moving exchange (Headers, Bodies, Attachments) by taking it from one endpoint and sending it to another endpoint.
   3. During the migration of data, certain injectors (Processors, Beans, Converters) come into picture to enrich, transform the data.
9. Having gone through the basic common concepts, let’s start with by building a very simple Spring Boot Camel Boilerplate.
10. A screenshot of a computer

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