

## Anne-Colombe Sinkpon

**group number:** 9

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**name of the project your group is working on:** travel planner

- **Internal Logical Files (ILF): 2**

Internal Logical Files are user-identifiable data maintained within the application itself.

1. **Traveler data:**
    - Includes the traveler's username, password, and ID.
  2. **Calendar data:**
    - User's calendar, including userID and name, which stores travel schedules.
- **External Interface Files (EIF): 1**

External Interface Files are user-identifiable data referenced by the system but maintained in another application.

1. **Google API data:**
  - Fetches real-time travel-related information (e.g., transportation availability based on user location).
  - Data is maintained by Google and referenced by the system.

- **External Input (EI): 2**

External Input processes data coming from outside the system, such as **user input** or new entries.

1. **Add new activity:**
  - When a user selects or adds an activity (e.g., hotel, restaurant, or entertainment) to their travel plan/calendar. The system processes and stores this data.
2. **Create a new calendar:**
  - The user inputs details to create a new calendar for their travel plan. This input includes the calendar name and associated traveler information.

- **External Output (EO): 1**

External Output involves processes that send data outside the system boundary and usually require calculations or data transformations.

1. **Transportation details based on location and time:**

- Output is generated by fetching data from Google API for transport schedules near the traveler's current location, combining this data with the travel calendar.

**External Inquiry (EQ): 0**

External Inquiry involves reading data from the system without modifying it or performing complex calculations. It's usually a simple data retrieval process without significant transformation.

**FPA Software Metrics Table:**

Information Domain Value	Count	Weighting factor				
		simple	average	complex		
External Inputs (EIs)	2	3	4	6	=	8
External Outputs (EOs)	1	3	5	7	=	5
External Inquiries (EQs)	0	3	4	6	=	0
Internal Logical Files (ILFs)	2	3	10	15	=	20
External Interface Files (EIFs)	1	3	7	10	=	7
Count total						40