**Travel Agency Module Overview**

**Core Components**

The module manages bus schedules as a list of dictionaries, where each dictionary includes:

* **name**: Bus name/identifier.
* **timings**: Departure times in HH:MM format.
* **route**: List of stops on the route.

Key functions include:

1. **get\_buses\_by\_time()**: Finds buses departing at a specific time.
2. **get\_buses\_by\_route()**: Filters buses traveling through a specific route.
3. **get\_buses\_by\_time\_and\_route()**: Combines time and route filters.
4. **get\_buses\_by\_date()**: Matches buses departing on a given date.
5. **print\_bus\_details()**: Displays filtered bus details.

**How It Works**

The user provides a date, time, and route. Inputs are parsed using the **datetime** module to enable accurate filtering. **get\_buses\_by\_time\_and\_route()** narrows buses based on the specified time and route, further refined by **get\_buses\_by\_date()**. The results are displayed using **print\_bus\_details()**.

**Key Features**

* **Date and Time Handling**: Leverages datetime for robust comparisons.
* **Iterative Filtering**: Sequentially applies filters for time, route, and date.
* **Output Display**: Organized and user-friendly formatting of results.

**Potential Enhancements**

* Add advanced filters (e.g., intermediate stops).
* Validate inputs with error handling.
* Integrate real-time schedule updates.
* Develop a GUI for easier interaction.