

# Summary Document: RESTful API User Search

implements a RESTful API using Flask, a Python web framework. It utilizes SQLite as the database, with a user table containing the specified fields: id, first\_name, last\_name, age, gender, email, phone, and birth\_date.

The API has two main endpoints:

- **/users:** This endpoint supports a GET request and retrieves all users from the user table in the database. The retrieved users are returned as a JSON response.
- **/api/users:** This endpoint supports a GET request and requires a mandatory query parameter, **first\_name**. It performs a search in the user table for users whose first name begins with the provided **first\_name**. If matching users are found in the local database, they are returned as a JSON response. If no users are found, the API calls an external API at [https://dummyjson.com/users/search?q=first\\_name](https://dummyjson.com/users/search?q=first_name) to search for users with the given **first\_name** parameter. The resulting users from the external API are then saved to the local user table, and the matched users are returned as a JSON response

Cmd: python app.py

Url=' http://localhost:5000/api/users?first\_name=will'