API Endpoints

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# Create User Profile

Saves the user record into the database.

API Endpoint: /v1/users

Method: POST

## HTTP Body:

{

“firstName”: “Alex”,

“lastName”: “Smith”,

“phoneNumber”: “123456789”,

“currentAddress”: {

“region”: “Tilak Nagar”,

“city”: “Delhi”,

“state”: “Delhi”,

“addressType”: “current”

}

“homeAddress”: {

“region”: “Mansarovar”,

“city”: “Jaipur”,

“state”: “Rajasthan”,

“addressType”: “home”

}

# Get the List of User Profiles

Returns the list of users by applying the current city and hometown city filters

API Endpoint: /v1/users

Parameter: currentCity=Bangalore&hometownCity=Lucknow

Method: GET

## Sample Response

{

"users": [

{

"id": 201,

"firstName": "Priya",

“lastName: “Singh”,

"currentCity": "Bangalore",

"hometownCity": "Lucknow"

},

{

"id": 202,

"firstName": "Arjun",

“lastName: “Yadav”,

"currentCity": "Bangalore",

"hometownCity": "Lucknow

}

]

}

## Backend Flow

1. Extract **currentCity** and **hometownCity** from query params.
2. Look up their IDs in the **address** table.

|  |
| --- |
| SELECT id FROM cities WHERE name = :currentCity;  SELECT id FROM cities WHERE name = :hometownCity; |

1. Use those IDs to filter users in the **users** table.

|  |
| --- |
| SELECT u.id, u.firstName, u.lastName , cc.city AS current\_city, hc.city AS hometown\_city  FROM **users** u  JOIN **cities** cc  ON u.current\_city\_id = cc.id  JOIN **cities** hc  ON u.hometown\_city\_id = hc.id  WHERE cc.name ILIKE :currentCity AND hc.name ILIKE :hometownCity; |

# View User’s full Profile

Return the user’s full information, including their phone number and complete home address, including the region.