



UIDAI Hackathon

Team Name : Cosmo Codex

Team Reference ID : 2KN2I9sIsy

Team Member Details

Sl No	Name	E Mail ID
1	Manisha S	manisha.1905046@srec.ac.in
2	Nandini Devi S	nandinidevi.1905054@srec.ac.in

Problem Statement

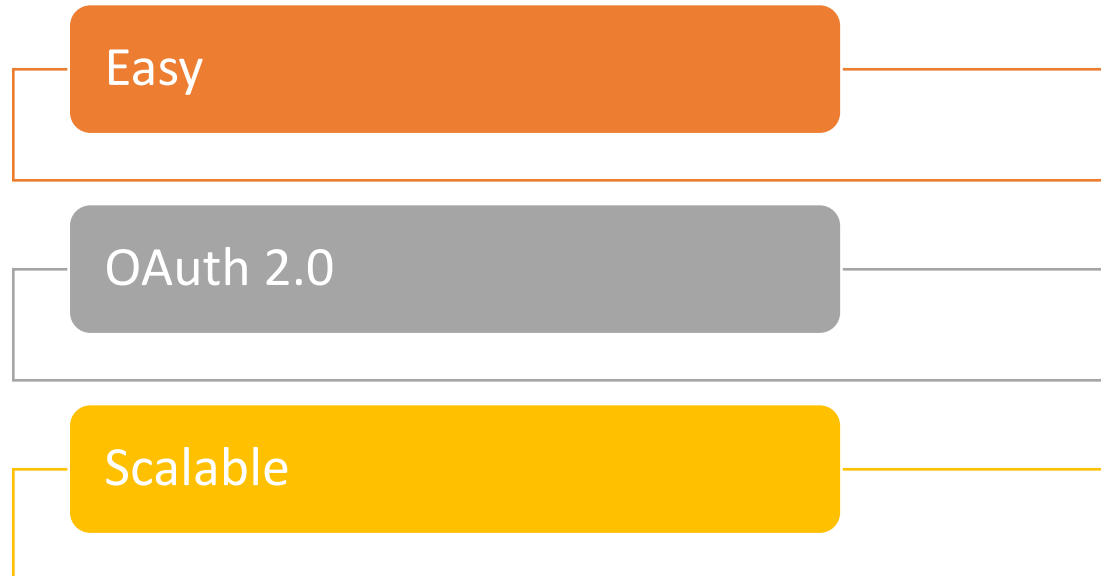
Theme : Address Update

Address Formatting Issue

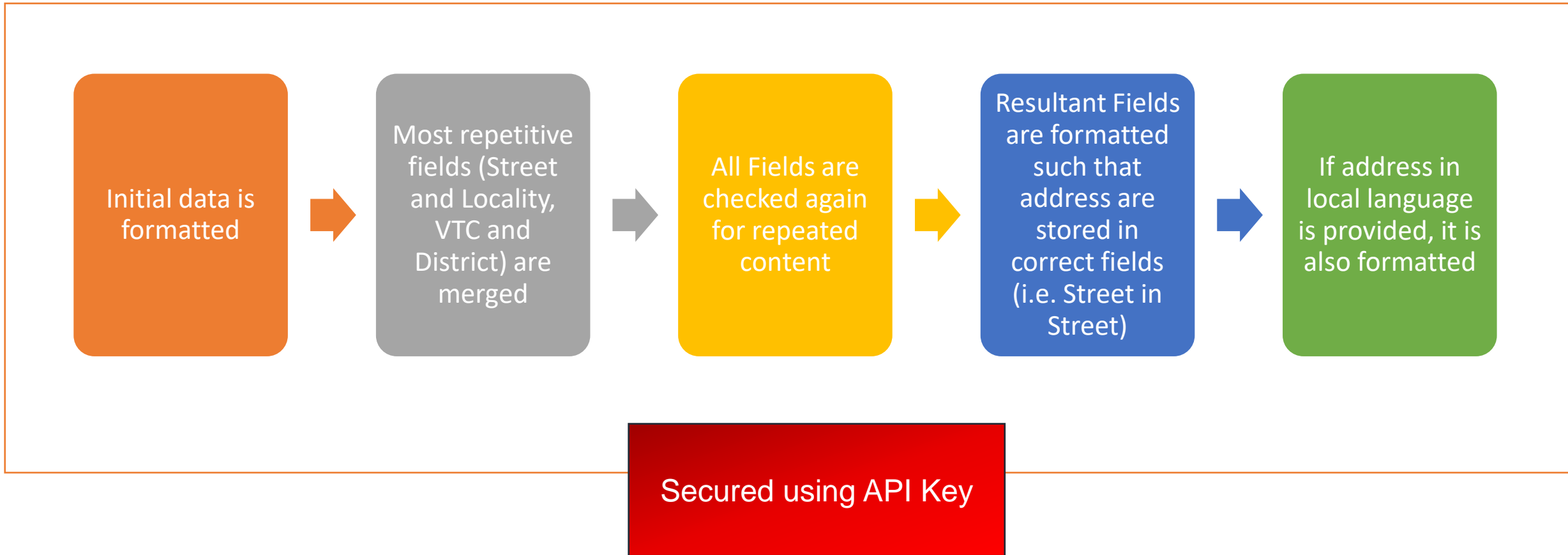
- Imagine you belong to the capital city of India and you reside within IIT Delhi campus. You have just enrolled yourself to the aadhaar identity platform and after successful enrolment, you have received your letter containing the aadhaar number, demographics data such as name and address. Alas, in the address field you see the repetition of 'Delhi' multiple times, making the address a little convoluted. Like you, many of the residents especially those who are residing in the urban areas see the repetition of the same content in the final address. You have to devise an innovative solution to identify repetitive content (like Delhi in the instant use case) and merge it in a manner that the overall address remains intact and usable.

Our Approach

- Fast API is a modern, open-source, fast, and highly performant Python web framework used for building Web APIs and is based on Python 3.6+ standard type hints.



Our Approach



Request Format

```
{
  "engAddress": {
    "lang": "en",
    "addr": {
      "building": "No. 40",
      "street": "Store Street",
      "landmark": "Near Popular Nursing Home",
      "locality": "Kalasipalya",
      "vtc": "Coimbatore",
      "district": "Coimbatore",
      "state": "Tamil Nadu"
    }
  },
  "localAddress": {
    "lang": "ta",
    "addr": {
      "building": "எண் 40",
      "street": "ஸ்டோர் தெரு",
      "landmark": "பாப்புலர் நர்சிங் ஹோம் அருகில்",
      "locality": "கலாசிபால்யா",
      "vtc": "கோவை",
      "district": "கோவை",
      "state": "தமிழ்நாடு"
    }
  }
}
```

Response Format

```
{
  "200": {
    "GivenAddress": {
      "engAddress": {
        "lang": "en",
        "addr": {
          "building": "No. 40",
          "street": "Store Street",
          "landmark": "Near Popular Nursing Home",
          "locality": "Kalasipalya",
          "vtc": "Coimbatore",
          "district": "Coimbatore",
          "state": "Tamil Nadu"
        }
      }
    },
    "localAddress": {
      "lang": "ta",
      "addr": {
        "building": "எண் 40",
        "street": "ஸ்டோர் தெரு",
        "landmark": "பாப்புலர் நர்சிங் ஹோம் அருகில்",
        "locality": "கலாசிபால்யா",
        "vtc": "கோவை",
        "district": "கோவை",
        "state": "தமிழ்நாடு"
      }
    }
  }
}
```

```
},
"FormattedAddress": {
  "engAddress": {
    "lang": "en",
    "addr": {
      "building": "No. 40",
      "street": "Store Street",
      "landmark": "Near Popular Nursing Home",
      "locality": "Kalasipalya",
      "district": "Coimbatore",
      "state": "Tamil Nadu"
    }
  },
  "localAddress": {
    "lang": "ta",
    "addr": {
      "building": "எண் 40",
      "street": "ஸ்டோர் தெரு",
      "landmark": "பாப்புலர் நர்சிங் ஹோம் அருகில்",
      "locality": "கலாசிபால்யா",
      "district": "கோவை",
      "state": "தமிழ்நாடு"
    }
  }
}
}
```

- Demo - <https://youtu.be/ltjOmxLjL2w>