Microservices/Java Spring Class Final Project

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- Project: Marketing Opportunity Service
- Idea:
  - we obtain a database of wealthy parents, and information about their children. The Service provides insight on opportunities to pitch products to the children, using proprietary algorithms, with relaxed ethical and privacy considerations.

- Methods (REST)
  - GET
    - PrintAllHeirs
      - List all Heirs and names of their parents
    - PrintWealthyHeirs
      - List all heirs who are considered wealthy
    - PrintGullibleHeirs
      - List all heirs who can have high potential of being exploited for product peddling.
  - POST
    - AddHeir
      - Add a wealthy child's personal information

Heir_Info Table

```
mysql> select * from heir_info;
+---------+-----------+------------+-------------+------+----------+---------+--------------+----------+----------+---------------------+
| heir_id | parent_id | first_name | last_name   | age  | asset    | income  | partner_name | hobby    | gambling | created_at          |
+---------+-----------+------------+-------------+------+----------+---------+--------------+----------+----------+---------------------+
|       1 |         1 | Jason      | Smith       |   16 |  1000000 |   30000 | Jalena       | Sailing  | No       | 2022-08-30 08:04:02 |
|       2 |         1 | Luciana    | Smith       |   18 |  1000000 |   40000 | Kurt         | Swimming | Yes      | 2022-08-30 08:08:13 |
|       3 |         3 | Juanita    | Contratas   |   26 |  5000000 |  230000 | Giacomo      | Art      | Yes      | 2022-08-30 08:08:20 |
|       4 |         4 | Bo         | Zamfir      |   36 | 12000000 |  500000 | Tatiana      | Skiiing  | Yes      | 2022-08-30 08:08:31 |
|       5 |         8 | Anil       | Ramachandran |  21 |  2500000 |   58000 | Sumina       | Chess    | No       | 2022-08-30 15:22:27 |
|       6 |         6 | Michael    | Dupre       |   13 |    50000 |       0 | None         | Soccer   | No       | 2022-08-30 15:25:49 |
|       7 |         5 | Haley      | Daal-Anson  |   47 |  8000000 | 1000000 | None         | Art      | Yes      | 2022-08-30 15:30:14 |
|       8 |         5 | Howard     | Daal        |   43 |  9000000 |  175000 | Ximena       | Swimming | No       | 2022-08-30 15:32:38 |
+---------+-----------+------------+-------------+------+----------+---------+--------------+----------+----------+---------------------+
```

parent_id is a quasi
foreign key to user_info
table.

- curl -i -H "Accept: application/json" -H "Content-Type:application/json" -X POST --data "{\"firstName\": \"Adria\", \"lastName\": \"Frenzifuegel\", \"parent_id\": 2, \"age\": 22, \"asset\": 5000000, \"income\": 20, \"hobby\": \"Baseball\", \"gambling\": \"Yes\"   }" "http://localhost:8080/addHeir"

- Curl "http://localhost:8080/PrintAllHeirs"
- Curl "http://localhost:8080/PrintWealthyHeirs"
- Curl "http://localhost:8080/PrintGullibleHeirs"