

## REQUIREMENT 8 – DATA GENERATION

27/08/2024

### 1. Information:

- **Group 13:** 21127659 – Bùi Ngọc Kiều Nhi

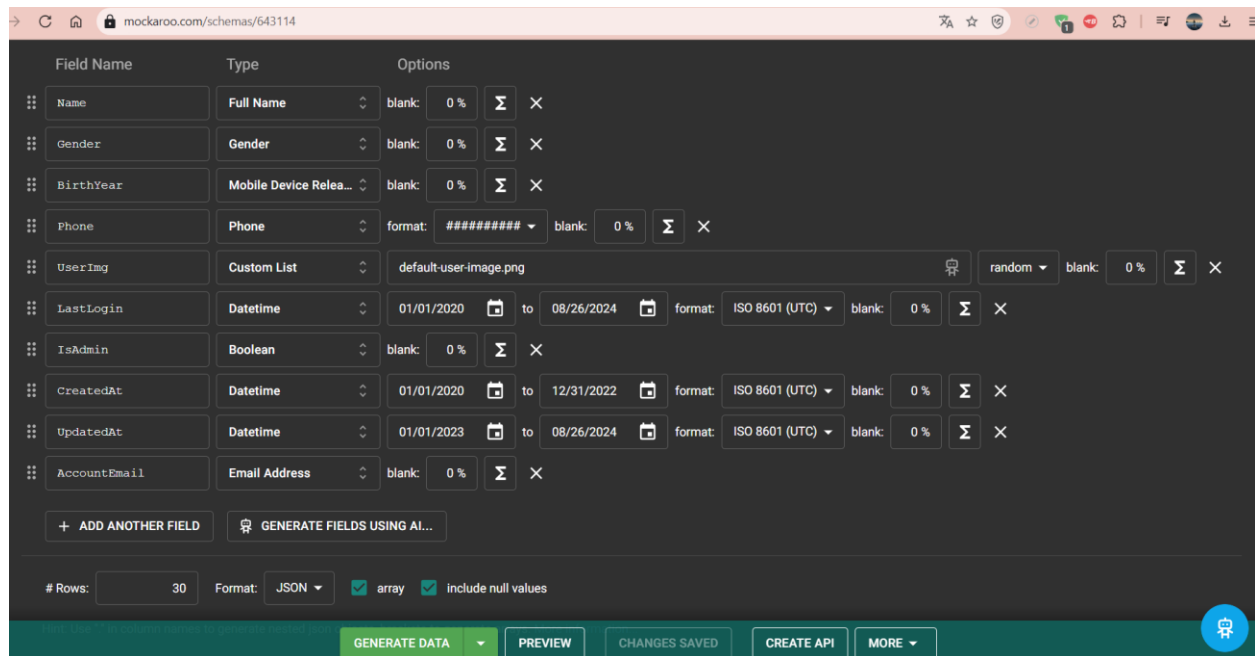
### 2. Data generation tool:

- <https://www.mockaroo.com/>

### 3. Use tool:

#### 3.1. Generate at least 30 users:

- Set up:



The screenshot shows the Mockaroo website interface for generating data. The browser address bar displays 'mockaroo.com/schemas/643114'. The main area is a table with columns 'Field Name', 'Type', and 'Options'. It lists fields for Name, Gender, BirthYear, Phone, UserImg, LastLogin, IsAdmin, CreatedAt, UpdatedAt, and AccountEmail. Each field has specific options like format, blank percentage, and date ranges. At the bottom, there are controls for the number of rows (set to 30), format (JSON), and checkboxes for 'array' and 'include null values'. A green bar at the very bottom contains buttons for 'GENERATE DATA', 'PREVIEW', 'CHANGES SAVED', 'CREATE API', and 'MORE'.

Field Name	Type	Options
Name	Full Name	blank: 0 %
Gender	Gender	blank: 0 %
BirthYear	Mobile Device Relea...	blank: 0 %
Phone	Phone	format: #####-#### blank: 0 %
UserImg	Custom List	default-user-image.png random blank: 0 %
LastLogin	Datetime	01/01/2020 to 08/26/2024 format: ISO 8601 (UTC) blank: 0 %
IsAdmin	Boolean	blank: 0 %
CreatedAt	Datetime	01/01/2020 to 12/31/2022 format: ISO 8601 (UTC) blank: 0 %
UpdatedAt	Datetime	01/01/2023 to 08/26/2024 format: ISO 8601 (UTC) blank: 0 %
AccountEmail	Email Address	blank: 0 %

# Rows: 30 Format: JSON ☒ array ☒ include null values

GENERATE DATA PREVIEW CHANGES SAVED CREATE API MORE

- Data: 1 users

Preview

```
[{"Name": "Rebeka Fetherstan",
  "Gender": "Female",
  "BirthYear": 2010,
  "Phone": "7907734366",
  "UserImg": "default-user-image.png",
  "LastLogin": "2020-02-15T08:35:32Z",
  "IsAdmin": false,
  "CreatedAt": "2022-06-16T07:31:23Z",
  "UpdatedAt": "2023-07-25T17:56:36Z",
  "AccountEmail": "rfetherstan0@pagesperso-orange.fr"
}, {"Name": "Roxanne Borres",
  "Gender": "Female",
  "BirthYear": 2011,
  "Phone": "7253857675",
  "UserImg": "default-user-image.png",
  "LastLogin": "2022-10-23T10:43:33Z",
  "IsAdmin": false,
  "CreatedAt": "2021-11-23T08:11:59Z",
  "UpdatedAt": "2023-06-06T16:50:39Z",
  "AccountEmail": "rborres1@home.pl"
}, {"Name": "Sibbie Shand",
  "Gender": "Female",
  "BirthYear": 2011,
  "Phone": "5556282292",
```

# Rows: 30 **GENERATE DATA** **CLOSE**

### 3.2. Generate at least 10 projects:

- Set up:

mockaroo.com/schemas/643124

mockaroo SCHEMAS DATASETS MOCK APIS SCENARIOS PROJECTS FUNCTIONS **UPGRADE NOW**

My Schemas / projects **ADD TO PROJECT...**

projects

Field Name	Type	Options
Name	App Name	blank: 0% <b>Σ</b> <b>×</b>
ProjectImage	Formula	concat(lower(field("Name")), ".png") blank: 0% <b>Σ</b> <b>×</b>
CreatedAt	Datetime	01/01/2020 to 12/31/2022 format: m/d/yyyy blank: 0% <b>Σ</b> <b>×</b>
UpdatedAt	Datetime	01/01/2023 to 08/26/2024 format: m/d/yyyy blank: 0% <b>Σ</b> <b>×</b>
Creator	Custom List	665f39f9eef319f64ee080f6 random blank: 0% <b>Σ</b> <b>×</b>

**+ ADD ANOTHER FIELD** **GENERATE FIELDS USING AI...**

# Rows: 10 Format: JSON ☒ array ☒ include null values

Hint: Use "." in column names to generate nested json objects, brackets to generate arrays. More information...

**GENERATE DATA** **PREVIEW** **CHANGES SAVED** **CREATE API** **MORE**

- Data: [2\\_projects](#)

```
Preview
[[
  {
    "Name": "Biodex",
    "ProjectImage": "biodex.png",
    "CreatedAt": "5/27/2021",
    "UpdatedAt": "8/5/2023",
    "Creator": "665f39f9eef319f64ee080f6"
  }, {
    "Name": "Prodder",
    "ProjectImage": "prodder.png",
    "CreatedAt": "7/30/2021",
    "UpdatedAt": "10/7/2023",
    "Creator": "665f39f9eef319f64ee080f6"
  }, {
    "Name": "Holdlamis",
    "ProjectImage": "holdlamis.png",
    "CreatedAt": "12/12/2021",
    "UpdatedAt": "1/5/2023",
    "Creator": "665f39f9eef319f64ee080f6"
  }, {
    "Name": "Flowdesk",
    "ProjectImage": "flowdesk.png",
    "CreatedAt": "12/24/2021",
    "UpdatedAt": "9/19/2023",
    "Creator": "665f39f9eef319f64ee080f6"
  }, {
    "Name": "Ronstring",
    "ProjectImage": "ronstring.png",
    "CreatedAt": "12/24/2021",
    "UpdatedAt": "9/19/2023",
    "Creator": "665f39f9eef319f64ee080f6"
  }
]]
```

# Rows: 10 GENERATE DATA CLOSE

### 3.3. Generate each project has at least 100 test cases:

- Set up:

mockaroo.com/schemas/642908

mockaroo SCHEMAS DATASETS MOCK APIS SCENARIOS PROJECTS FUNCTIONS UPGRADE NOW

### testcases

Field Name	Type	Options	random	blank	0 %	Σ	×
Title	Custom List	Verify login with valid credentials, Verify login with invalid credentials, Verify registration with valid r	random	blank	0 %	Σ	×
Priority	Custom List	High, Medium, Low	random	blank	0 %	Σ	×
Precondition	Custom List	User is on the login page, User is on the registration page, User is on the product search page, User	random	blank	0 %	Σ	×
Description	Custom List	Enter valid username and password and verify successful login., Enter invalid username and passw	random	blank	0 %	Σ	×
CreatedAt	Datetime	01/01/2021 to 12/31/2022 format: ISO 8601 (UTC)	blank	0 %	Σ	×	
UpdatedAt	Datetime	01/01/2023 to 08/24/2024 format: ISO 8601 (UTC)	blank	0 %	Σ	×	
ModuleID	Custom List	666017adf902bdf00016abc0, 666017adf902bdf00016abc1, 666017adf902bdf00016abc2, 666017	random	blank	0 %	Σ	×
TestPlanID	Custom List	66601d7f32c5408430429d1a, 66601d7f32c5408430429d19, 66601d7f32c5408430429d1b	random	blank	0 %	Σ	×

+ ADD ANOTHER FIELD GENERATE FIELDS USING AI...

# Rows: 100 Format: JSON array ☒ include null values

GENERATE DATA PREVIEW CHANGES SAVED CREATE API MORE

- Data: [3 test cases](#)

Preview

```
[{"Title": "Verify user can proceed to checkout", "Priority": "High", "Precondition": "User is on the login page", "Description": "Check if product availability status is updated in real-time.", "CreatedAt": "2022-07-02T17:30:30Z", "UpdatedAt": "2024-08-11T04:13:02Z", "ModuleID": "666017adf902bdf00016abc0", "TestPlanID": "66601d7f32c5408430429d1a"}, {"Title": "Verify product details page handles invalid product ID", "Priority": "Medium", "Precondition": "User is on the currency conversion page", "Description": "Enter invalid product ID and verify appropriate message is displayed.", "CreatedAt": "2021-04-09T23:57:02Z", "UpdatedAt": "2023-01-13T00:39:43Z", "ModuleID": "666017adf902b", "TestPlanID": "66601d7f32c5408430429d19"}, {"Title": "Verify product price is displayed correctly", "Priority": "High", "Precondition": "User has items in the shopping cart", "Description": "Enter invalid product ID and verify appropriate message is displayed.", "CreatedAt": "2021-05-29T08:40:28Z", "UpdatedAt": "2024-02-25T19:46:13Z", "ModuleID": "666017adf902bdf00016abc1"}]
```

# Rows: 100 GENERATE DATA CLOSE

### 3.4. Generate each project has at least 30 bugs:

- Set up:

mockaroo

SCHEMAS <sup>4</sup> DATASETS MOCK APIS SCENARIOS PROJECTS FUNCTIONS

UPGRADE NOW

My Schemas / Issues

issues

Field Name	Type	Options						
Title	Custom List	Login button not responsive, Product image not loading on details page, Improve search functional	random	blank	0 %	Σ	×	
Category	Custom List	Bug, Improvement, Task	random	blank	0 %	Σ	×	
Status	Custom List	Open, Closed, In Progress	random	blank	0 %	Σ	×	
Priority	Custom List	High, Medium, Low	random	blank	0 %	Σ	×	
StartDate	Datetime	08/01/2022 to 09/30/2023 format: m/d/yyyy	blank	0 %	Σ	×		
EndDate	Datetime	10/01/2022 to 08/24/2024 format: m/d/yyyy	blank	0 %	Σ	×		
IssueType	Custom List	Functionality, UI/Design, Performance, Tracking, Server Error, SEO, Console Error	random	blank	0 %	Σ	×	
Severity	Custom List	Critical, Major, Minor	random	blank	0 %	Σ	×	

mockaroo.com/schemas/642912

Severity

Custom List

Critical, Major, Minor

random

blank

0 %

Σ

×

Environment

Custom List

QA, Production, Staging, Development

random

blank

0 %

Σ

×

Description

Sentences

at least

2

but no more than

8

blank

0 %

Σ

×

CreatedAt

Datetime

01/01/2021

to

12/31/2022

format: ISO 8601 (UTC)

blank

0 %

Σ

×

UpdatedAt

Datetime

01/01/2022

to

08/24/2024

format: ISO 8601 (UTC)

blank

0 %

Σ

×

AssignedTo

Custom List

666011d01cc6e634de0ff70d, 665f39f9eef319f64ee080f6

random

blank

0 %

Σ

×

TestRunID

Custom List

6660219ed70bea06e9ff6ae9, 6660219ed70bea06e9ff6ae8, 6660219ed70bea06e9ff6ae7, 6660219ed70bea06e9ff6ae6

random

blank

0 %

Σ

×

+ ADD ANOTHER FIELD

GENERATE FIELDS USING AI...

# Rows: 30

Format: JSON

☒ array

☐ include null values

Hint: Use "." in column names to generate nested json objects, brackets to generate arrays. [More information...](#)

Append Dataset: choose a dataset...

Generating data via cURL

GENERATE DATA

PREVIEW

CHANGES SAVED

CREATE API

MORE

- Data: [4 bugs](#)

Preview

```
[{"Title": "Login button not responsive", "Category": "Bug", "Status": "In Progress", "Priority": "Medium", "StartDate": "1/2/2023", "EndDate": "6/23/2024", "IssueType": "Tracking", "Severity": "Critical", "Environment": "Production", "Description": "Nulla justo. Aliquam quis turpis eget elit sodales scelerisque. Mauris sit amet eros. Suspendisse accumsan tortor quis turpis. Sed ante.", "CreatedAt": "2021-10-28T09:43:10Z", "UpdatedAt": "2024-02-05T15:31:21Z", "AssignedTo": "666011d01cc6e634de0ff70d", "TestRunID": "6660219ed70bea06e9ff6ae5"}, {"Title": "Optimize database queries", "Category": "Bug", "Status": "Open", "Priority": "Medium", "StartDate": "6/28/2023", "EndDate": "1/14/2024", "IssueType": "Functionality", "Severity": "Major", "Environment": "Development", "Description": "Vestibulum sed magna at nunc commodo placerat. Praesent blandit."}]
```

# Rows: 30

GENERATE DATA

CLOSE