

# Documento de Testes Manuais — API JSONPlaceholder

**QA: Vitor Hugo de Oliveira Machado**

## 1. Objetivo

Definir, estruturar e documentar os principais cenários de testes manuais da API pública JSONPlaceholder,

garantindo que qualquer testador consiga reproduzir os testes, validar comportamento funcional,

identificar falhas ou inconsistências e compreender rapidamente o escopo testado.

## 2. Escopo dos Testes

Endpoints validados:

- GET /posts
- GET /posts/{id}
- GET /users

Foco:

- Funcionamento funcional básico
- Estrutura das respostas JSON
- Tratamento de cenários inválidos
- Confiabilidade das informações retornadas

## 3. Ambiente de Teste

URL base: <https://jsonplaceholder.typicode.com>

Ferramentas:

- Postman

## **4. Estratégia de Teste**

Modelagem considerando:

- Casos positivos
- Casos negativos
- Validação de estrutura de dados
- Facilidade de reprodução por terceiros

## **5. Casos de Teste**

CT-01 — Listar todos os posts

Resultado esperado:

- Status 200 OK
- Lista com 100 registros
- Campos: userId, id, title, body

The screenshot shows the Postman interface with the following details:

- URL:** {{baseUri}}/posts
- Status:** 200 OK
- Body:** JSON response containing 10 posts (post IDs 1 to 10). Each post has fields: userId, id, title, and body.

```
1 [ 2 { 3 "userId": 1, 4 "id": 1, 5 "title": "sunt aut facere repellat provident occaecati excepturi optio 6 "reprehenderit", 7 "body": "quia et suscipit\\nsuscipit recusandae consequuntur expedita et 8 "cum\\nreprehenderit molestiae ut ut quas totam\\nmostrum rerum est autem sunt rem 9 "eveniet architecto" 10 }, 11 { 12 "userId": 1, 13 "id": 2, 14 "title": "qui est esse", 15 "body": "est rerum tempore vitae\\nsequi sint nihil reprehenderit dolor beatae ea 16 "dolores neque\\nfugiat blanditiis voluptate porro vel nihil molestiae ut 17 "reiciendis\\nqui aperiam non debitis possimus qui neque nisi nulla" }
```

The second screenshot shows a similar setup but with a different JSON response, specifically highlighting post ID 100.

```
585 [ 586 { 587 "userId": 10, 588 "id": 98, 589 "title": "laboriosam dolor voluptates", 590 "body": "doloremque ex facilis sit sint culpa\\nsoluta assumenda eligendi non ut eius\\nsequi 591 "ducimus vel quasi\\nveritatis est dolores" 592 }, 593 { 594 "userId": 10, 595 "id": 99, 596 "title": "temporibus sit alias delectus eligendi possimus magni", 597 "body": "quo deleniti praesentium dicta non quod\\naut est molestias\\nmolestias et officia quis 598 "nihil\\nitaque dolorem quia" 599 }, 600 { 601 "userId": 10, 602 "id": 100, 603 "title": "at nam consequatur ea labore ea harum", 604 "body": "cupiditate quo est a modi nesciunt soluta\\nipsa voluptas error itaque dicta in\\nautem 605 "qui minus magnam et distinctio eum\\naccusamus ratione error aut" 606 }
```

A red arrow points to the "id": 100 entry in the JSON body.

## CT-02 — Buscar post por ID válido (/posts/1)

- Status 200 OK

- id = 1

- title e body preenchidos

The screenshot shows the Postman interface with a successful API call. The URL is `https://JSONPlaceholder_API /posts/{{postId}}`. The response status is **200 OK**, and the response body is a JSON object:

```
{ "userId": 1, "id": 1, "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit", "body": "quia et suscipit\\nsuscipit recusandae consequuntur expedita et\\n\\cum\\nreprehenderit molestiae ut ut quas totam\\nnostrum rerum est autem sunt rem\\neveniet architecto"}
```

### CT-03 — Buscar post inexistente (/posts/9999)

- Status 404 ou {}

- Nenhum erro 500

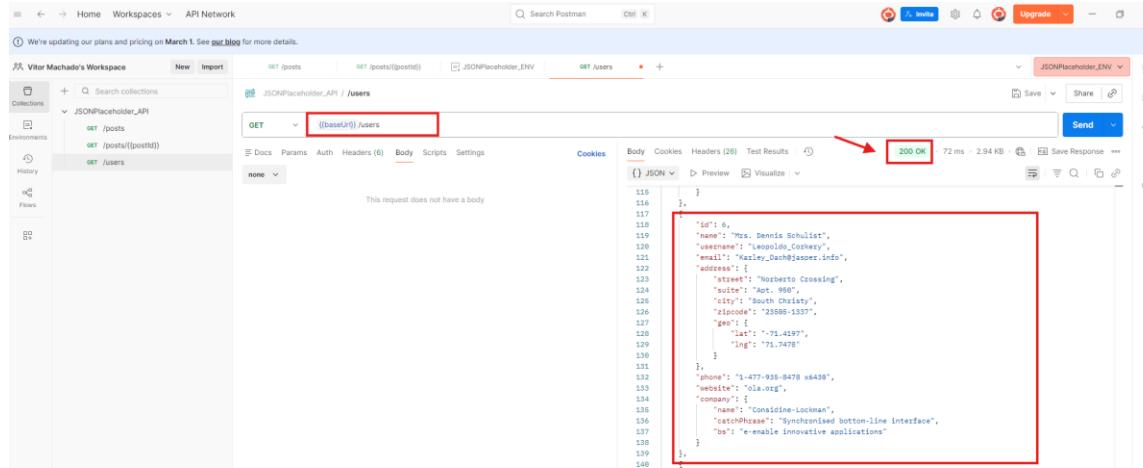
The screenshot shows the Postman interface with an unsuccessful API call. The URL is `https://JSONPlaceholder_API /posts/{{postId}}`. The request ID is **9999**. The response status is **404 Not Found**, and the response body is an empty JSON object: **{} { }{ }**.

## CT-04 — Listar usuários

- Status 200 OK

- Lista com 10 usuários

- Campos: id, name, username, email válido

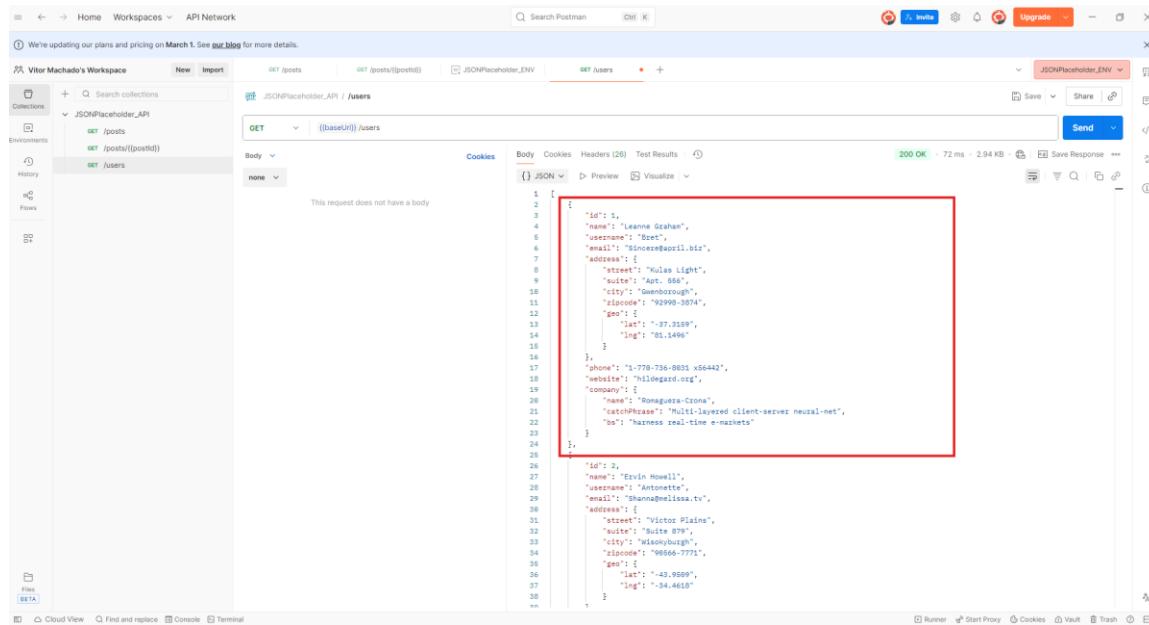


POSTMAN Screenshot showing a successful GET request to `/users`. The status bar at the bottom right indicates `200 OK`.

```
115     },
116   ],
117 },
118   "id": 1,
119   "name": "Mrs. Dennis Schulist",
120   "username": "Leopoldo_Corkery",
121   "email": "Xanley_Dach@apacer.info",
122   "address": [
123     {
124       "street": "Numerous Crossing",
125       "suite": "Apt. 960",
126       "city": "South Christy",
127       "zipcode": "23861-1337",
128       "geo": {
129         "lat": "-71.4997",
130         "lng": "51.7478"
131       }
132     },
133     {
134       "phone": "1-477-938-8470 x6438",
135       "website": "olx.org",
136       "company": [
137         {
138           "name": "Considee-Lockman",
139           "catchPhrase": "Synchronized bottom-line interface",
140           "bs": "e-enable innovative applications"
141         }
142       ],
143       "name": "Kurtis Weissnat",
144       "username": "Telly.Normile",
145       "email": "Telly.Hoegerbilly.biz",
146       "address": [
147         {
148           "street": "Rox Trail",
149           "suite": "Suite 288",
150           "city": "Homemount",
151           "zipcode": "08084-1899",
152           "geo": {
153             "lat": "24.8918",
154             "lng": "21.8984"
155           }
156         }
157       ],
158       "id": 7,
159       "name": "Clementine Bauch",
160       "username": "Giovanni_Bin",
161       "email": "Rey.Padbergearna.biz",
162       "address": [
163         {
164           "street": "West and Sons",
165           "suite": "Switchable contextually-based project",
166           "bs": "aggregate real-time technologies"
167         }
168       ],
169       "id": 10,
170       "name": "Clementina DuBuque",
171       "username": "Tobiah_Stanton",
172       "email": "Rey.Padbergearna.biz",
173       "address": [
174         {
175           "street": "Kattie Turnpike",
176           "suite": "Suite 199",
177           "city": "South Christy",
178           "zipcode": "23861-2261",
179           "geo": {
180             "lat": "-38.2386",
181             "lng": "67.2232"
182           }
183         },
184         {
185           "phone": "824-640-3884",
186           "website": "ambrose.net",
187           "company": [
188             {
189               "name": "Hoeger LLC",
190               "catchPhrase": "Centralized empowering task-force",
191               "bs": "target end-to-end models"
192             }
193           ],
194           "id": 11,
195           "name": "Clementine Bauch",
196           "username": "Giovanni_Bin",
197           "email": "Rey.Padbergearna.biz",
198           "address": [
199             {
200               "street": "West and Sons",
201               "suite": "Switchable contextually-based project",
202               "bs": "aggregate real-time technologies"
203             }
204           ],
205           "id": 12,
206           "name": "Clementine Bauch",
207           "username": "Giovanni_Bin",
208           "email": "Rey.Padbergearna.biz",
209           "address": [
210             {
211               "street": "Kattie Turnpike",
212               "suite": "Suite 199",
213               "city": "South Christy",
214               "zipcode": "23861-2261",
215               "geo": {
216                 "lat": "-38.2386",
217                 "lng": "67.2232"
218               }
219             },
220             {
221               "phone": "824-640-3884",
222               "website": "ambrose.net",
223               "company": [
224                 {
225                   "name": "Hoeger LLC",
226                   "catchPhrase": "Centralized empowering task-force",
227                   "bs": "target end-to-end models"
228                 }
229               ],
230               "id": 13,
231               "name": "Clementine Bauch",
232               "username": "Giovanni_Bin",
233               "email": "Rey.Padbergearna.biz",
234               "address": [
235                 {
236                   "street": "Kattie Turnpike",
237                   "suite": "Suite 199",
238                   "city": "South Christy",
239                   "zipcode": "23861-2261",
240                   "geo": {
241                     "lat": "-38.2386",
242                     "lng": "67.2232"
243                   }
244                 }
245               ],
246               "id": 14,
247               "name": "Clementine Bauch",
248               "username": "Giovanni_Bin",
249               "email": "Rey.Padbergearna.biz",
250               "address": [
251                 {
252                   "street": "Kattie Turnpike",
253                   "suite": "Suite 199",
254                   "city": "South Christy",
255                   "zipcode": "23861-2261",
256                   "geo": {
257                     "lat": "-38.2386",
258                     "lng": "67.2232"
259                   }
260                 }
261               ],
262               "id": 15,
263               "name": "Clementine Bauch",
264               "username": "Giovanni_Bin",
265               "email": "Rey.Padbergearna.biz",
266               "address": [
267                 {
268                   "street": "Kattie Turnpike",
269                   "suite": "Suite 199",
270                   "city": "South Christy",
271                   "zipcode": "23861-2261",
272                   "geo": {
273                     "lat": "-38.2386",
274                     "lng": "67.2232"
275                   }
276                 }
277               ],
278               "id": 16,
279               "name": "Clementine Bauch",
280               "username": "Giovanni_Bin",
281               "email": "Rey.Padbergearna.biz",
282               "address": [
283                 {
284                   "street": "Kattie Turnpike",
285                   "suite": "Suite 199",
286                   "city": "South Christy",
287                   "zipcode": "23861-2261",
288                   "geo": {
289                     "lat": "-38.2386",
290                     "lng": "67.2232"
291                   }
292                 }
293               ],
294               "id": 17,
295               "name": "Clementine Bauch",
296               "username": "Giovanni_Bin",
297               "email": "Rey.Padbergearna.biz",
298               "address": [
299                 {
300                   "street": "Kattie Turnpike",
301                   "suite": "Suite 199",
302                   "city": "South Christy",
303                   "zipcode": "23861-2261",
304                   "geo": {
305                     "lat": "-38.2386",
306                     "lng": "67.2232"
307                   }
308                 }
309               ],
310               "id": 18,
311               "name": "Clementine Bauch",
312               "username": "Giovanni_Bin",
313               "email": "Rey.Padbergearna.biz",
314               "address": [
315                 {
316                   "street": "Kattie Turnpike",
317                   "suite": "Suite 199",
318                   "city": "South Christy",
319                   "zipcode": "23861-2261",
320                   "geo": {
321                     "lat": "-38.2386",
322                     "lng": "67.2232"
323                   }
324                 }
325               ],
326               "id": 19,
327               "name": "Clementine Bauch",
328               "username": "Giovanni_Bin",
329               "email": "Rey.Padbergearna.biz",
330               "address": [
331                 {
332                   "street": "Kattie Turnpike",
333                   "suite": "Suite 199",
334                   "city": "South Christy",
335                   "zipcode": "23861-2261",
336                   "geo": {
337                     "lat": "-38.2386",
338                     "lng": "67.2232"
339                   }
340                 }
341               ],
342               "id": 20,
343               "name": "Clementine Bauch",
344               "username": "Giovanni_Bin",
345               "email": "Rey.Padbergearna.biz",
346               "address": [
347                 {
348                   "street": "Kattie Turnpike",
349                   "suite": "Suite 199",
350                   "city": "South Christy",
351                   "zipcode": "23861-2261",
352                   "geo": {
353                     "lat": "-38.2386",
354                     "lng": "67.2232"
355                   }
356                 }
357               ],
358               "id": 21,
359               "name": "Clementine Bauch",
360               "username": "Giovanni_Bin",
361               "email": "Rey.Padbergearna.biz",
362               "address": [
363                 {
364                   "street": "Kattie Turnpike",
365                   "suite": "Suite 199",
366                   "city": "South Christy",
367                   "zipcode": "23861-2261",
368                   "geo": {
369                     "lat": "-38.2386",
370                     "lng": "67.2232"
371                   }
372                 }
373               ],
374               "id": 22,
375               "name": "Clementine Bauch",
376               "username": "Giovanni_Bin",
377               "email": "Rey.Padbergearna.biz",
378               "address": [
379                 {
380                   "street": "Kattie Turnpike",
381                   "suite": "Suite 199",
382                   "city": "South Christy",
383                   "zipcode": "23861-2261",
384                   "geo": {
385                     "lat": "-38.2386",
386                     "lng": "67.2232"
387                   }
388                 }
389               ],
390               "id": 23,
391               "name": "Clementine Bauch",
392               "username": "Giovanni_Bin",
393               "email": "Rey.Padbergearna.biz",
394               "address": [
395                 {
396                   "street": "Kattie Turnpike",
397                   "suite": "Suite 199",
398                   "city": "South Christy",
399                   "zipcode": "23861-2261",
400                   "geo": {
401                     "lat": "-38.2386",
402                     "lng": "67.2232"
403                   }
404                 }
405               ],
406               "id": 24,
407               "name": "Clementine Bauch",
408               "username": "Giovanni_Bin",
409               "email": "Rey.Padbergearna.biz",
410               "address": [
411                 {
412                   "street": "Kattie Turnpike",
413                   "suite": "Suite 199",
414                   "city": "South Christy",
415                   "zipcode": "23861-2261",
416                   "geo": {
417                     "lat": "-38.2386",
418                     "lng": "67.2232"
419                   }
420                 }
421               ],
422               "id": 25,
423               "name": "Clementine Bauch",
424               "username": "Giovanni_Bin",
425               "email": "Rey.Padbergearna.biz",
426               "address": [
427                 {
428                   "street": "Kattie Turnpike",
429                   "suite": "Suite 199",
430                   "city": "South Christy",
431                   "zipcode": "23861-2261",
432                   "geo": {
433                     "lat": "-38.2386",
434                     "lng": "67.2232"
435                   }
436                 }
437               ],
438               "id": 26,
439               "name": "Clementine Bauch",
440               "username": "Giovanni_Bin",
441               "email": "Rey.Padbergearna.biz",
442               "address": [
443                 {
444                   "street": "Kattie Turnpike",
445                   "suite": "Suite 199",
446                   "city": "South Christy",
447                   "zipcode": "23861-2261",
448                   "geo": {
449                     "lat": "-38.2386",
450                     "lng": "67.2232"
451                   }
452                 }
453               ],
454               "id": 27,
455               "name": "Clementine Bauch",
456               "username": "Giovanni_Bin",
457               "email": "Rey.Padbergearna.biz",
458               "address": [
459                 {
460                   "street": "Kattie Turnpike",
461                   "suite": "Suite 199",
462                   "city": "South Christy",
463                   "zipcode": "23861-2261",
464                   "geo": {
465                     "lat": "-38.2386",
466                     "lng": "67.2232"
467                   }
468                 }
469               ],
470               "id": 28,
471               "name": "Clementine Bauch",
472               "username": "Giovanni_Bin",
473               "email": "Rey.Padbergearna.biz",
474               "address": [
475                 {
476                   "street": "Kattie Turnpike",
477                   "suite": "Suite 199",
478                   "city": "South Christy",
479                   "zipcode": "23861-2261",
480                   "geo": {
481                     "lat": "-38.2386",
482                     "lng": "67.2232"
483                   }
484                 }
485               ],
486               "id": 29,
487               "name": "Clementine Bauch",
488               "username": "Giovanni_Bin",
489               "email": "Rey.Padbergearna.biz",
490               "address": [
491                 {
492                   "street": "Kattie Turnpike",
493                   "suite": "Suite 199",
494                   "city": "South Christy",
495                   "zipcode": "23861-2261",
496                   "geo": {
497                     "lat": "-38.2386",
498                     "lng": "67.2232"
499                   }
500                 }
501               ],
502               "id": 30,
503               "name": "Clementine Bauch",
504               "username": "Giovanni_Bin",
505               "email": "Rey.Padbergearna.biz",
506               "address": [
507                 {
508                   "street": "Kattie Turnpike",
509                   "suite": "Suite 199",
510                   "city": "South Christy",
511                   "zipcode": "23861-2261",
512                   "geo": {
513                     "lat": "-38.2386",
514                     "lng": "67.2232"
515                   }
516                 }
517               ],
518               "id": 31,
519               "name": "Clementine Bauch",
520               "username": "Giovanni_Bin",
521               "email": "Rey.Padbergearna.biz",
522               "address": [
523                 {
524                   "street": "Kattie Turnpike",
525                   "suite": "Suite 199",
526                   "city": "South Christy",
527                   "zipcode": "23861-2261",
528                   "geo": {
529                     "lat": "-38.2386",
530                     "lng": "67.2232"
531                   }
532                 }
533               ],
534               "id": 32,
535               "name": "Clementine Bauch",
536               "username": "Giovanni_Bin",
537               "email": "Rey.Padbergearna.biz",
538               "address": [
539                 {
540                   "street": "Kattie Turnpike",
541                   "suite": "Suite 199",
542                   "city": "South Christy",
543                   "zipcode": "23861-2261",
544                   "geo": {
545                     "lat": "-38.2386",
546                     "lng": "67.2232"
547                   }
548                 }
549               ],
550               "id": 33,
551               "name": "Clementine Bauch",
552               "username": "Giovanni_Bin",
553               "email": "Rey.Padbergearna.biz",
554               "address": [
555                 {
556                   "street": "Kattie Turnpike",
557                   "suite": "Suite 199",
558                   "city": "South Christy",
559                   "zipcode": "23861-2261",
560                   "geo": {
561                     "lat": "-38.2386",
562                     "lng": "67.2232"
563                   }
564                 }
565               ],
566               "id": 34,
567               "name": "Clementine Bauch",
568               "username": "Giovanni_Bin",
569               "email": "Rey.Padbergearna.biz",
570               "address": [
571                 {
572                   "street": "Kattie Turnpike",
573                   "suite": "Suite 199",
574                   "city": "South Christy",
575                   "zipcode": "23861-2261",
576                   "geo": {
577                     "lat": "-38.2386",
578                     "lng": "67.2232"
579                   }
580                 }
581               ],
582               "id": 35,
583               "name": "Clementine Bauch",
584               "username": "Giovanni_Bin",
585               "email": "Rey.Padbergearna.biz",
586               "address": [
587                 {
588                   "street": "Kattie Turnpike",
589                   "suite": "Suite 199",
590                   "city": "South Christy",
591                   "zipcode": "23861-2261",
592                   "geo": {
593                     "lat": "-38.2386",
594                     "lng": "67.2232"
595                   }
596                 }
597               ],
598               "id": 36,
599               "name": "Clementine Bauch",
600               "username": "Giovanni_Bin",
601               "email": "Rey.Padbergearna.biz",
602               "address": [
603                 {
604                   "street": "Kattie Turnpike",
605                   "suite": "Suite 199",
606                   "city": "South Christy",
607                   "zipcode": "23861-2261",
608                   "geo": {
609                     "lat": "-38.2386",
610                     "lng": "67.2232"
611                   }
612                 }
613               ],
614               "id": 37,
615               "name": "Clementine Bauch",
616               "username": "Giovanni_Bin",
617               "email": "Rey.Padbergearna.biz",
618               "address": [
619                 {
620                   "street": "Kattie Turnpike",
621                   "suite": "Suite 199",
622                   "city": "South Christy",
623                   "zipcode": "23861-2261",
624                   "geo": {
625                     "lat": "-38.2386",
626                     "lng": "67.2232"
627                   }
628                 }
629               ],
630               "id": 38,
631               "name": "Clementine Bauch",
632               "username": "Giovanni_Bin",
633               "email": "Rey.Padbergearna.biz",
634               "address": [
635                 {
636                   "street": "Kattie Turnpike",
637                   "suite": "Suite 199",
638                   "city": "South Christy",
639                   "zipcode": "23861-2261",
640                   "geo": {
641                     "lat": "-38.2386",
642                     "lng": "67.2232"
643                   }
644                 }
645               ],
646               "id": 39,
647               "name": "Clementine Bauch",
648               "username": "Giovanni_Bin",
649               "email": "Rey.Padbergearna.biz",
650               "address": [
651                 {
652                   "street": "Kattie Turnpike",
653                   "suite": "Suite 199",
654                   "city": "South Christy",
655                   "zipcode": "23861-2261",
656                   "geo": {
657                     "lat": "-38.2386",
658                     "lng": "67.2232"
659                   }
660                 }
661               ],
662               "id": 40,
663               "name": "Clementine Bauch",
664               "username": "Giovanni_Bin",
665               "email": "Rey.Padbergearna.biz",
666               "address": [
667                 {
668                   "street": "Kattie Turnpike",
669                   "suite": "Suite 199",
670                   "city": "South Christy",
671                   "zipcode": "23861-2261",
672                   "geo": {
673                     "lat": "-38.2386",
674                     "lng": "67.2232"
675                   }
676                 }
677               ],
678               "id": 41,
679               "name": "Clementine Bauch",
680               "username": "Giovanni_Bin",
681               "email": "Rey.Padbergearna.biz",
682               "address": [
683                 {
684                   "street": "Kattie Turnpike",
685                   "suite": "Suite 199",
686                   "city": "South Christy",
687                   "zipcode": "23861-2261",
688                   "geo": {
689                     "lat": "-38.2386",
690                     "lng": "67.2232"
691                   }
692                 }
693               ],
694               "id": 42,
695               "name": "Clementine Bauch",
696               "username": "Giovanni_Bin",
697               "email": "Rey.Padbergearna.biz",
698               "address": [
699                 {
700                   "street": "Kattie Turnpike",
701                   "suite": "Suite 199",
702                   "city": "South Christy",
703                   "zipcode": "23861-2261",
704                   "geo": {
705                     "lat": "-38.2386",
706                     "lng": "67.2232"
707                   }
708                 }
709               ],
710               "id": 43,
711               "name": "Clementine Bauch",
712               "username": "Giovanni_Bin",
713               "email": "Rey.Padbergearna.biz",
714               "address": [
715                 {
716                   "street": "Kattie Turnpike",
717                   "suite": "Suite 199",
718                   "city": "South Christy",
719                   "zipcode": "23861-2261",
720                   "geo": {
721                     "lat": "-38.2386",
722                     "lng": "67.2232"
723                   }
724                 }
725               ],
726               "id": 44,
727               "name": "Clementine Bauch",
728               "username": "Giovanni_Bin",
729               "email": "Rey.Padbergearna.biz",
730               "address": [
731                 {
732                   "street": "Kattie Turnpike",
733                   "suite": "Suite 199",
734                   "city": "South Christy",
735                   "zipcode": "23861-2261",
736                   "geo": {
737                     "lat": "-38.2386",
738                     "lng": "67.2232"
739                   }
740                 }
741               ],
742               "id": 45,
743               "name": "Clementine Bauch",
744               "username": "Giovanni_Bin",
745               "email": "Rey.Padbergearna.biz",
746               "address": [
747                 {
748                   "street": "Kattie Turnpike",
749                   "suite": "Suite 199",
750                   "city": "South Christy",
751                   "zipcode": "23861-2261",
752                   "geo": {
753                     "lat": "-38.2386",
754                     "lng": "67.2232"
755                   }
756                 }
757               ],
758               "id": 46,
759               "name": "Clementine Bauch",
760               "username": "Giovanni_Bin",
761               "email": "Rey.Padbergearna.biz",
762               "address": [
763                 {
764                   "street": "Kattie Turnpike",
765                   "suite": "Suite 199",
766                   "city": "South Christy",
767                   "zipcode": "23861-2261",
768                   "geo": {
769                     "lat": "-38.2386",
770                     "lng": "67.2232"
771                   }
772                 }
773               ],
774               "id": 47,
775               "name": "Clementine Bauch",
776               "username": "Giovanni_Bin",
777               "email": "Rey.Padbergearna.biz",
778               "address": [
779                 {
780                   "street": "Kattie Turnpike",
781                   "suite": "Suite 199",
782                   "city": "South Christy",
783                   "zipcode": "23861-2261",
784                   "geo": {
785                     "lat": "-38.2386",
786                     "lng": "67.2232"
787                   }
788                 }
789               ],
790               "id": 48,
791               "name": "Clementine Bauch",
792               "username": "Giovanni_Bin",
793               "email": "Rey.Padbergearna.biz",
794               "address": [
795                 {
796                   "street": "Kattie Turnpike",
797                   "suite": "Suite 199",
798                   "city": "South Christy",
799                   "zipcode": "23861-2261",
800                   "geo": {
801                     "lat": "-38.2386",
802                     "lng": "67.2232"
803                   }
804                 }
805               ],
806               "id": 49,
807               "name": "Clementine Bauch",
808               "username": "Giovanni_Bin",
809               "email": "Rey.Padbergearna.biz",
810               "address": [
811                 {
812                   "street": "Kattie Turnpike",
813                   "suite": "Suite 199",
814                   "city": "South Christy",
815                   "zipcode": "23861-2261",
816                   "geo": {
817                     "lat": "-38.2386",
818                     "lng": "67.2232"
819                   }
820                 }
821               ],
822               "id": 50,
823               "name": "Clementine Bauch",
824               "username": "Giovanni_Bin",
825               "email": "Rey.Padbergearna.biz",
826               "address": [
827                 {
828                   "street": "Kattie Turnpike",
829                   "suite": "Suite 199",
830                   "city": "South Christy",
831                   "zipcode": "23861-2261",
832                   "geo": {
833                     "lat": "-38.2386",
834                     "lng": "67.2232"
835                   }
836                 }
837               ],
838               "id": 51,
839               "name": "Clementine Bauch",
840               "username": "Giovanni_Bin",
841               "email": "Rey.Padbergearna.biz",
842               "address": [
843                 {
844                   "street": "Kattie Turnpike",
845                   "suite": "Suite 199",
846                   "city": "South Christy",
847                   "zipcode": "23861-2261",
848                   "geo": {
849                     "lat": "-38.2386",
850                     "lng": "67.2232"
851                   }
852                 }
853               ],
854               "id": 52,
855               "name": "Clementine Bauch",
856               "username": "Giovanni_Bin",
857               "email": "Rey.Padbergearna.biz",
858               "address": [
859                 {
860                   "street": "Kattie Turnpike",
861                   "suite": "Suite 199",
862                   "city": "South Christy",
863                   "zipcode": "23861-2261",
864                   "geo": {
865                     "lat": "-38.2386",
866                     "lng": "67.2232"
867                   }
868                 }
869               ],
870               "id": 53,
871               "name": "Clementine Bauch",
872               "username": "Giovanni_Bin",
873               "email": "Rey.Padbergearna.biz",
874               "address": [
875                 {
876                   "street": "Kattie Turnpike",
877                   "suite": "Suite 199",
878                   "city": "South Christy",
879                   "zipcode": "23861-2261",
880                   "geo": {
881                     "lat": "-38.2386",
882                     "lng": "67.2232"
883                   }
884                 }
885               ],
886               "id": 54,
887               "name": "Clementine Bauch",
888               "username": "Giovanni_Bin",
889               "email": "Rey.Padbergearna.biz",
890               "address": [
891                 {
892                   "street": "Kattie Turnpike",
893                   "suite": "Suite 199",
894                   "city": "South Christy",
895                   "zipcode": "23861-2261",
896                   "geo": {
897                     "lat": "-38.2386",
898                     "lng": "67.2232"
899                   }
900                 }
901               ],
902               "id": 55,
903               "name": "Clementine Bauch",
904               "username": "Giovanni_Bin",
905               "email": "Rey.Padbergearna.biz",
906               "address": [
907                 {
908                   "street": "Kattie Turnpike",
909                   "suite": "Suite 199",
910                   "city": "South Christy",
911                   "zipcode": "23861-2261",
912                   "geo": {
913                     "lat": "-38.2386",
914                     "lng": "67.2232"
915                   }
916                 }
917               ],
918               "id": 56,
919               "name": "Clementine Bauch",
920               "username": "Giovanni_Bin",
921               "email": "Rey.Padbergearna.biz",
922               "address": [
923                 {
924                   "street": "Kattie Turnpike",
925                   "suite": "Suite 199",
926                   "city": "South Christy",
927                   "zipcode": "23861-2261",
928                   "geo": {
929                     "lat": "-38.2386",
930                     "lng": "67.2232"
931                   }
932                 }
933               ],
934               "id": 57,
935               "name": "Clementine Bauch",
936               "username": "Giovanni_Bin",
937               "email": "Rey.Padbergearna.biz",
938               "address": [
939                 {
940                   "street": "Kattie Turnpike",
941                   "suite": "Suite 199",
942                   "city": "South Christy",
943                   "zipcode": "23861-2261",
944                   "geo": {
945                     "lat": "-38.2386",
946                     "lng": "67.2232"
947                   }
948                 }
949               ],
950               "id": 58,
951               "name": "Clementine Bauch",
952               "username": "Giovanni_Bin",
953               "email": "Rey.Padbergearna.biz",
954               "address": [
955                 {
956                   "street": "Kattie Turnpike",
957                   "suite": "Suite 199",
958                   "city": "South Christy",
959                   "zipcode": "23861-2261",
960                   "geo": {
961                     "lat": "-38.2386",
962                     "lng": "67.2232"
963                   }
964                 }
965               ],
966               "id": 59,
967               "name": "Clementine Bauch",
968               "username": "Giovanni_Bin",
969               "email": "Rey.Padbergearna.biz",
970               "address": [
971                 {
972                   "street": "Kattie Turnpike",
973                   "suite": "Suite 199",
974                   "city": "South Christy",
975                   "zipcode": "23861-2261",
976                   "geo": {
977                     "lat": "-38.2386",
978                     "lng": "67.2232"
979                   }
980                 }
981               ],
982               "id": 60,
983               "name": "Clementine Bauch",
984               "username": "Giovanni_Bin",
985               "email": "Rey.Padbergearna.biz",
986               "address": [
987                 {
988                   "street": "Kattie Turnpike",
989                   "suite": "Suite 199",
990                   "city": "South Christy",
991                   "zipcode": "23861-2261",
992                   "geo": {
993                     "lat": "-38.2386",
994                     "lng": "67.2232"
995                   }
996                 }
997               ],
998               "id": 61,
999               "name": "Clementine Bauch",
1000              "username": "Giovanni_Bin",
1001              "email": "Rey.Padbergearna.biz",
1002              "address": [
1003                {
1004                  "street": "Kattie Turnpike",
1005                  "suite": "Suite 199",
1006                  "city": "South Christy",
1007                  "zipcode": "23861-2261",
1008                  "geo": {
1009                    "lat": "-38.2386",
1010                    "lng": "67.2232"
1011                  }
1012                }
1013              ],
1014            ],
1015            "id": 62,
1016            "name": "Clementine Bauch",
1017            "username": "Giovanni_Bin",
1018            "email": "Rey.Padbergearna.biz",
1019            "address": [
1020              {
1021                "street": "Kattie Turnpike",
1022                "suite": "Suite 199",
1023                "city": "South Christy",
1024                "zipcode": "23861-2261",
1025                "geo": {
1026                  "lat": "-38.2386",
1027                  "lng": "67.2232"
1028                }
1029              }
1030            ],
1031            "id": 63,
1032            "name": "Clementine Bauch",
1033            "username": "Giovanni_Bin",
1034            "email": "Rey.Padbergearna.biz",
1035            "address": [
1036              {
1037                "street": "Kattie Turnpike",
1038                "suite": "Suite 199",
1039                "city": "South Christy",
1040                "zipcode": "23861-2261",
1041                "geo": {
1042                  "lat": "-38.2386",
1043                  "lng": "67.2232"
1044                }
1045              }
1046            ],
1047            "id": 64,
1048            "name": "Clementine Bauch",
1049            "username": "Giovanni_Bin",
1050            "email": "Rey.Padbergearna.biz",
1051            "address": [
1052              {
1053                "street": "Kattie Turnpike",
1054                "suite": "Suite 199",
1055                "city": "South Christy",
1056                "zipcode": "23861-2261",
1057                "geo": {
1058                  "lat": "-38.2386",
1059                  "lng": "67.2232"
1060                }
1061              }
1062            ],
1063            "id": 65,
1064            "name": "Clementine Bauch",
1065            "username": "Giovanni_Bin",
1066            "email": "Rey.Padbergearna.biz",
1067            "address": [
1068              {
1069                "street": "Kattie Turnpike",
1070                "suite": "Suite 199",
1071                "city": "South Christy",
1072                "zipcode": "23861-2261",
1073                "geo": {
1074                  "lat": "-38.2386",
1075                  "lng": "67.2232"
1076                }
1077              }
1078            ],
1079            "id": 66,
1080            "name": "Clementine Bauch",
1081            "username": "Giovanni_B
```

## CT-05 — Validar formato JSON

- Content-Type application/json
- Estrutura válida sem campos críticos nulos



The screenshot shows the Postman application interface. In the center, there's a request card for a GET request to `(baseUrl) /users`. The response status is 200 OK, and the response body is a JSON array of user objects. One object is highlighted with a red box. The JSON structure is as follows:

```
[{"id": 1, "name": "Leanne Graham", "username": "Bret", "email": "Sincere@april.biz", "address": {"suite": "Suite 1234", "street": "1 Junc Plaza", "city": "Greenburgh", "zipcode": "92998-3574"}, "geo": {"lat": "-37.3189", "lng": "-101.1496"}, "phone": "+1-770-736-8831 x6442", "website": "hildegard.org", "company": {"name": "Romaguera-Crona", "catchPhrase": "Multi-layered client-server neural-net", "bs": "harness real-time e-markets"}}, {"id": 2, "name": "Kevyn Howell", "username": "Antonette", "email": "Shanna@lissa.tv", "address": {"suite": "Suite 876", "street": "2891 Wellsong Dr.", "city": "Wisokiburg", "zipcode": "98666-7771"}, "geo": {"lat": "-42.9599", "lng": "-34.4658"}]
```

## CT-06 — Tempo de resposta

- Inferior a 2 segundos
- Sem timeout

The screenshot shows two separate API requests made using the Postman application. Both requests are directed at the `JSONPlaceholder_API`.

**Request 1: GET /posts/{postId}**

- Method: GET
- URL: `(BaseUrl) /posts/{postId}`
- Response Status: 200 OK (98 ms)
- Body (JSON):

```

1  [
2    {
3      "userId": 1,
4      "id": 1,
5      "title": "optio molestias id culpa eum",
6      "body": "bou et exaudita modi cum officia vel magni\\n doloribus qui reouidiandae\\n vero nisi sit\\n quos
          verda quod sed accusamus veritatis error"
7    }
8  ]
  
```

**Request 2: GET /posts**

- Method: GET
- URL: `(BaseUrl) /posts`
- Response Status: 200 OK (72 ms)
- Body (JSON):

```

1  [
2    {
3      "userId": 1,
4      "id": 1,
5      "title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",
6      "body": "quia et suscipit\\n reouisit recusandae consequuntur expedita et cum\\n reprehenderit molestiae ut suas
          totam\\n non sunt autem sunt rem eveniet architecto"
7    },
8    {
9      "userId": 1,
10     "id": 2,
11     "title": "qui iusto esse",
12     "body": "est reud tenuce\\n vitae\\n sed qui iusto et reprehenderit dolci deutax et dolores neuer\\n dignit\\n blanditiis
          volutate porro vel nihil molestiae ut recidenda\\n qui apicem non deedit positus qui neque\\n nisi nulla"
13  },
14  {
15    "userId": 1,
16    "id": 3,
17    "title": "et iusto sed ea fure\\n voluntate occaecati omnis eligendi aut ad\\n voluntate dolocibus vel accusantium
          quis paratur\\n\\n molestie porro eius odio et labore et velit aut"
18  },
19  {
20    "userId": 1,
21    "id": 4,
22    "title": "num et est accusanti",
23    "body": "et iusto sed ea fure\\n voluntate occaecati omnis eligendi aut ad\\n voluntate dolocibus vel accusantium
          quis paratur\\n\\n comodi nesciunt rem tenetur dolore ipsum iure\\n\\n veus autem voluntate resum illo velit"
24  },
25  {
26    "userId": 1,
27    "id": 5,
28    "title": "et iusto sed ea fure\\n voluntate occaecati omnis eligendi aut ad\\n voluntate dolocibus vel accusantium
          quis paratur\\n\\n molestie porro eius odio et labore et velit aut"
29  },
30  {
31    "userId": 1,
32    "id": 6,
33    "title": "reouidiandae\\n vero nisi sit\\n quos
          verda quod sed accusamus veritatis error"
34  }
  
```

## 6. Riscos Identificados

- API pública pode ter lentidão ou inconsistência.
- Dados não persistidos (ambiente mock).
- Alguns erros retornam {} ao invés de 404.

## **7. Critérios de Aceite**

- Status corretos em todos endpoints.
- Estrutura JSON válida.
- Nenhum erro 500.
- Tempo de resposta aceitável.

## **8. Conclusão**

Os testes manuais confirmam funcionamento básico, consistência de dados e previsibilidade em cenários inválidos, permitindo reprodução simples por qualquer testador.